

HARRA
105
1000
501
15

 National® Brand

COMPUTATION NOTEBOOK

Department _____

Subject _____

Name 4 15 _____

Address _____

43-648

75 Sheets, 4 x 4 Quad., 11 3/4" x 9 1/4"



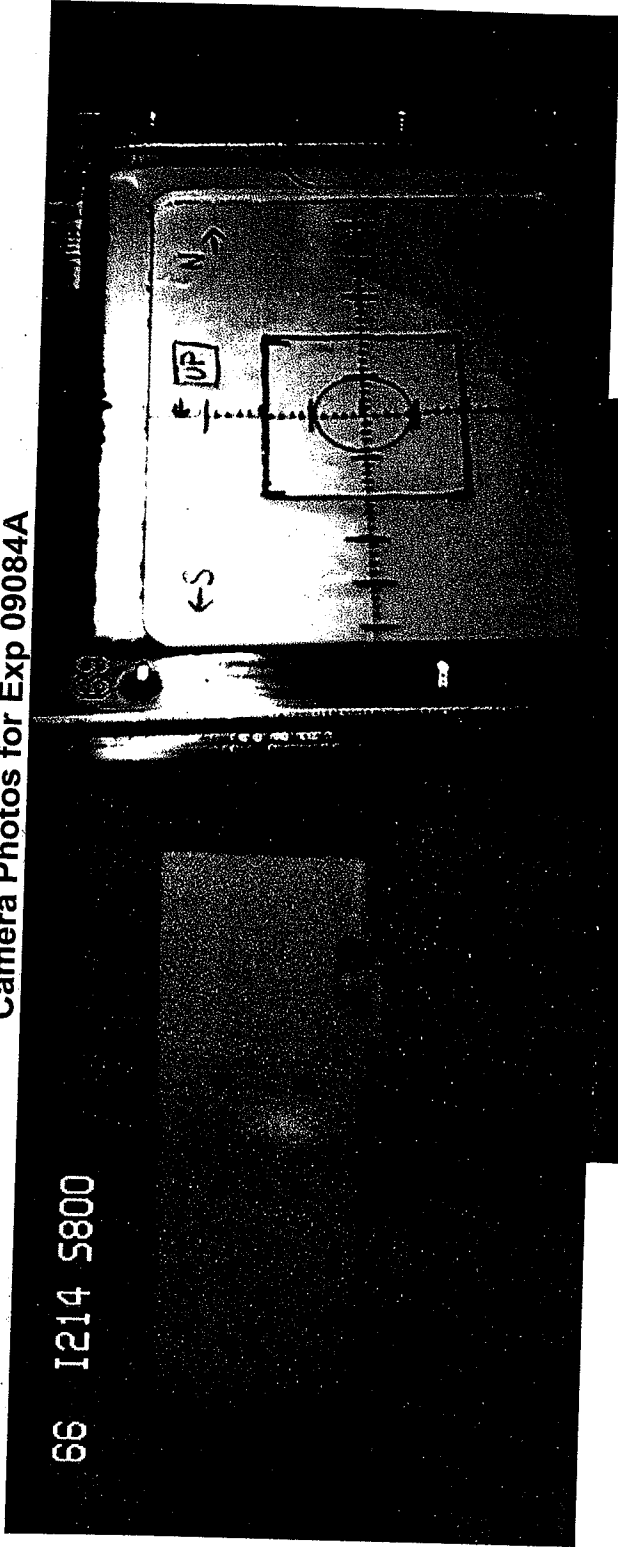
0 73333 43648 8

Rediform Inc. • Coppell, TX 75019

Made in Mexico

1-156

Camera Photos for Exp 09084A



66 I214 5800

69

Z037L,R: -20.004, 20.002; Z057:
out + Be9 + out + Be 1551 + out
Att 100k [chopper = 1 x 100 pct]
I252 2014-12-07 13:34:19

2014-12-07 15:10:08 exp Run 237

³⁴Ar unreacted beam to S800 FP (Through 25 um CH₂)

$$Z_{014} F-C = 0.200 \text{ enA}$$

$$^{34}\text{Ar} = 30.8 \cdot 10^3 \text{ pps/pAA}$$

$$\text{Purity} = 84\% ; \text{Transmission} = 83\% \text{ (AProd)}$$

$$\text{Transmission} = \frac{\text{OBJ-SCI}}{\text{XF-SCI}} = 0.88\%$$

$$\text{Seg} = 2.31120 \text{ cm} ; \text{SP/p} \sim 1\% \quad \text{AI} = 24\%$$

See

Summary of target thickness measurements

Run	target	pk centroid (ARDCI)
238	empty	1741.74
240	(CH ₂) 25um	1738.39
242	(CH ₂) 75um	1719.88
243	Ctgt 17mg/cm ²	1727.89

v. 1 |
 Your Na
 Also on
 Jon
 Run Ty
 S800 Tr
 HIRA Tr
 Target:
 MCP
 MCP 1
 MCP V
 Comm

v. 1 |
 Your R
 Also o
 Jor
 Run T
 S800
 HIRA
 Target
 MCF
 MCP
 MCP
 Com

Y
 OT
 HIRA T
 Target
 MCP
 MCP 1
 MCP V
 Comm

v. 1 Run #	238	Date:	12/7/14	Start:		Stop:	
Your Name:	Jenny	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input checked="" type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800	<input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS)	<input type="checkbox"/> Sec.:	DS	
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	<input checked="" type="checkbox"/> DE	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar	<input type="checkbox"/> pdt		
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input checked="" type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	134 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input checked="" type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input checked="" type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:	_____ e-	_____ torr	
Comments:	Unreacted beam through thru target						

Run 239 to junk.

v. 1 Run #	240	Date:	12/7/14	Start:	5:35 pm	Stop:	
Your Name:	Betty	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800	<input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS)	<input type="checkbox"/> Sec.:	DS	
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	S800	Beam:	<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar	<input type="checkbox"/> pdt		
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	83 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	2:3059	Vacuum:	_____ e-	_____ torr	
Comments:	Unreacted beam to measure target thickness						

v. 1 Run #	242	Date:	12/7/14	Start:	6:07	Stop:	6:40
Your Name:	Betty	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800	<input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS)	<input type="checkbox"/> Sec.:	DS	
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar	<input type="checkbox"/> pdt		
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input checked="" type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	134 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:	_____ e-	_____ torr	
Comments:	Unreacted beam to measure target thickness						

H:RA

v. 1 Run #	243	Date:	12/7/14	Start:		Stop:	
Your Name:	Betty	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input type="checkbox"/> Data	Singles:	<input checked="" type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:	<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	143.5 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		_____ e- torr		
Comments:	Same as Bg to measure target thickness.						

92pt
12/8/14
~(12:30)
Vall

v. 1 Run #	244	Date:	12/7/14	Start:		Stop:	
Your Name:	Betty	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenn <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		_____ e- torr		
Comments:	Mask calib with narrow setting may be junk						

Run
Run
Run

S800 DAC = S800 and HIRA DAC separated → No Elog for time being

Run 245 Junk

Run 246 Mask Run CRDC 1 w/o target

Run 247 Mask Run CRDC 2 w/o target } → Bg scanning

Run 248 CH2 75 um Reaction setting; No Blaker

Run 249 CH2 75 um Reaction setting w/ Blaker 4.9 position

Beam Return to Operator's for Tuning. Both the reflector has problems take more time for fixing.

H:RA [Run 245]

Alpha data in dE

[Run 246]

 ^{34}Ar beam on $75\ \mu\text{m}$ CH_2 target

✓ 92ppm

12/8/14

~(2:30 AM. Vacuum reads $\sim 1.4 \times 10^{-5}$)

Voltage for Back E:

MB1	MB2	MB3	Voltage	μA
M	MB1		100	6.75 μA
	MB2		100	6.43
	MB3		100	3.62

→ went down stairs, spray alcohol along door, found leak at ~~the~~ bottom door ~~to~~ towards the right side. Jack said he can feel ~~a~~ crack! After ~~the~~ adding and rearranging clamps, the ~~vac~~ pressure goes down to 1.2×10^{-5} ~ 3 AM.

Run 253: ^{34}Ar beam on $75\ \mu\text{m}$ CH_2 target

Run 254: "

Run 255: Changed to C target

(CSP OR OFORS increase from ~ 400 to ~ 770)

CSP Gas changed.

p Punchthrough from $3600 \rightarrow 1800$

file: eOld 87 slip

Run 256: 34A_r, C target, near CsI gain

P8 EF chip 1 removed

Run 257: 34A_r, C target

P8 EF chip 2 removed (the one malfunctioning)

Note: Pulser has been on the last few runs

CsI gains changed again: apparently first stage of shaper gain (hardware) is being saturated just over halfway up scale. Gains changed to put proton punchthrough to ~ 2150 .

Run 258: Junk

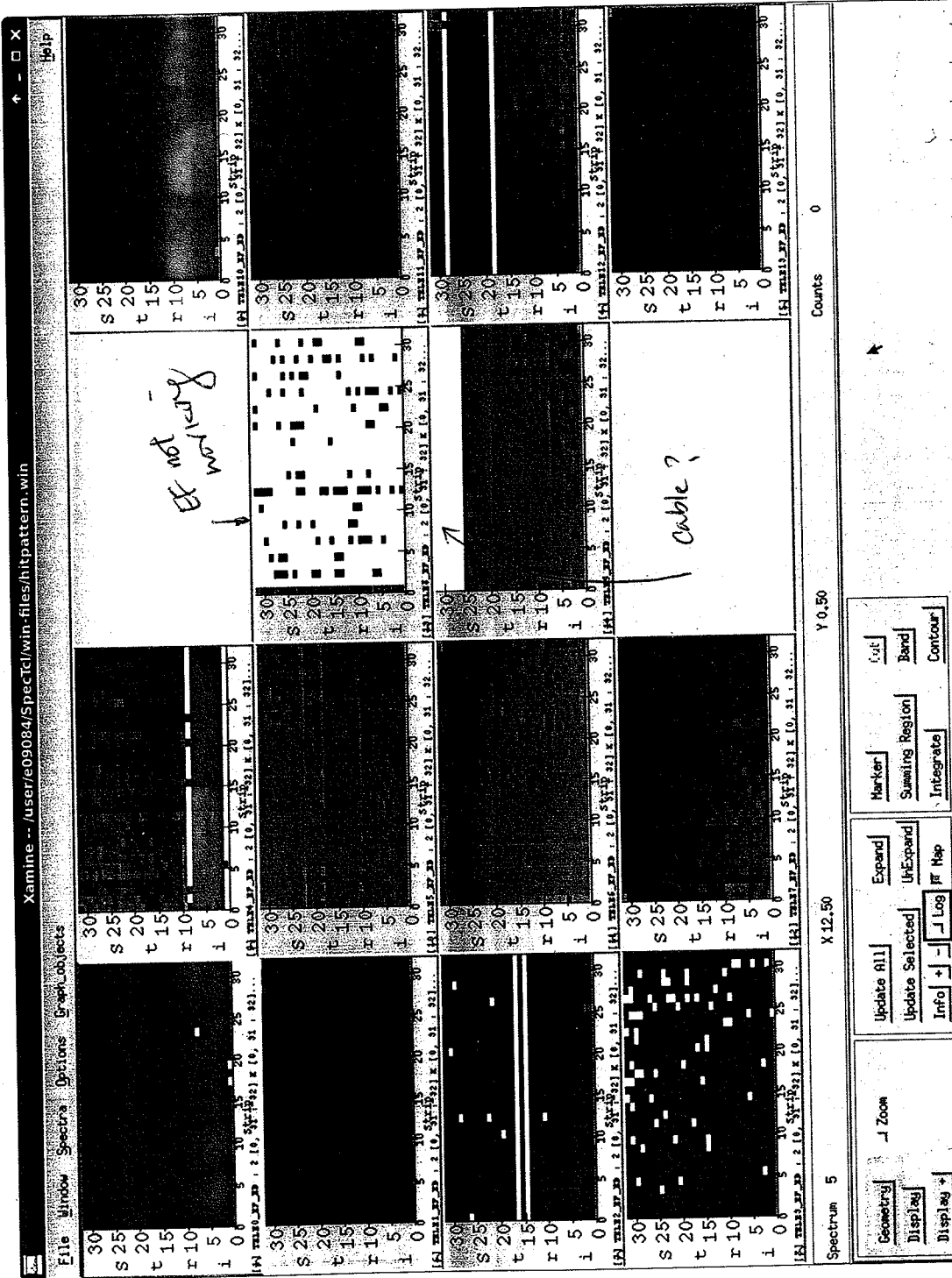
Run 259: as 258

Note: Pulson on!

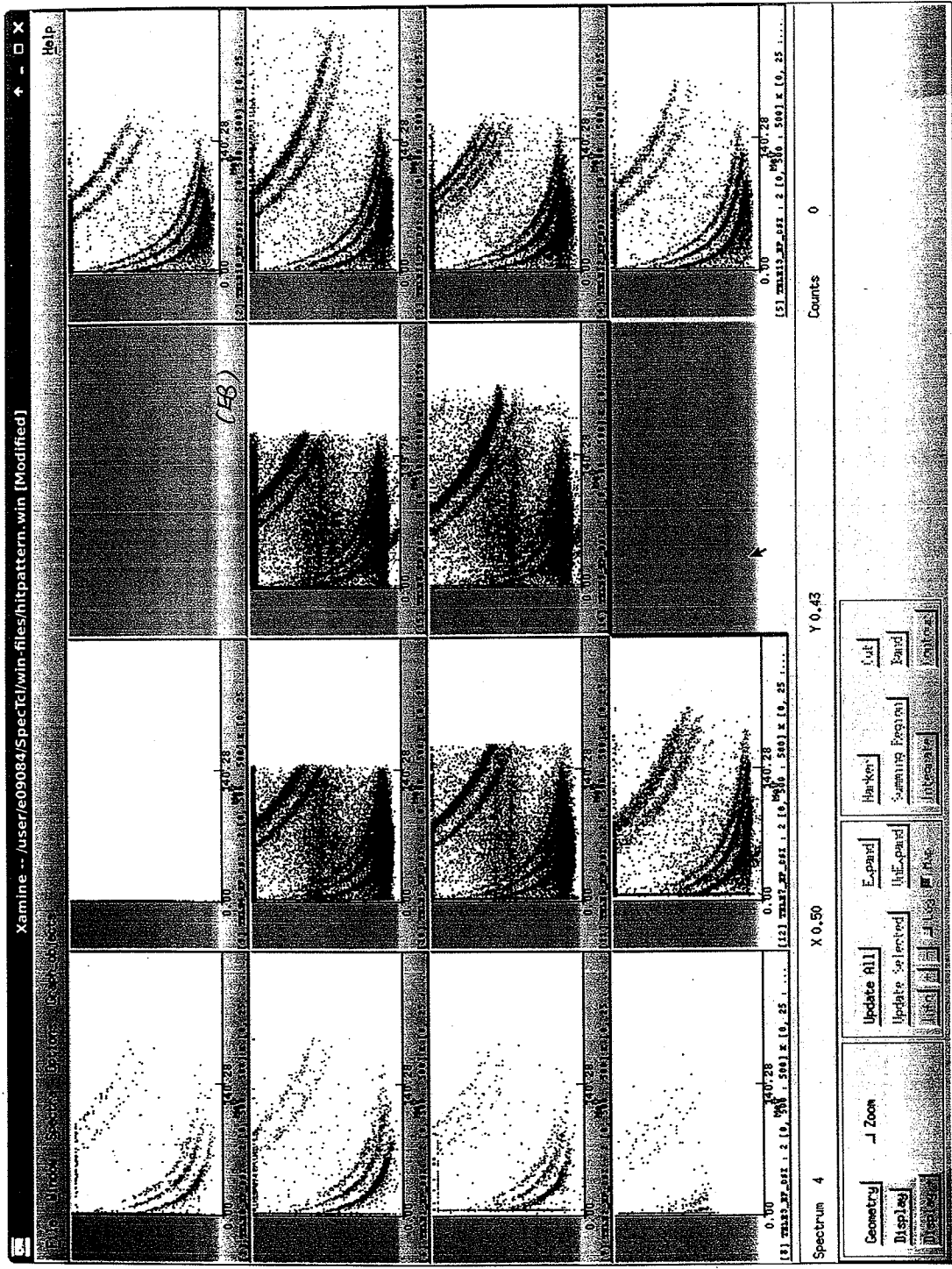
Run 260: as 258 + all of PG EF

→ Moved Downstream MCP from C Foil to Mylar Foil.

Run 259



Run 259 FF - CSI Calibrated PWD.



Run 263

Debugging, ~~made a life on from pattern P0-P3~~
(doing pattern source run)

Run 264
continue Run 263

For both 263 & 264, DE v.s E, Pb not working
P3 E has high threshold

Run 265, 266
Same as Run 263 & 264, except increase DE thresholds
on Pb

v. 1 Run #	267, 268	Date:		Start:		Stop:	
Your Name:	Jenny	Built data?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input checked="" type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input checked="" type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input type="checkbox"/> Data	Singles:	<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input type="checkbox"/> Sec.: <input type="checkbox"/> DS						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:	<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:	Vacuum: _____ e- torr			
Comments:	Data for HiRA Debug, New DE & E threshold						

Run 300: short run do test

v. 1
Your
Also
 J
Run
S80
HiR
Tar
Mi
MC
Mi
Co

Run ~~300~~ 301: TMP Spn Up
BACK TO MERGED DAQ

Run 302: Junk

Run 303: Junk

Run 304: Dead time circuit test

Run 305: HIRA + MCP Brassy up

Turn on MCP's

MCP 0 Voltage 1850 V

MCP 1 1800

Run 306: Junk

- Jenny
- Junk
- DS
-
- (I251Y-R)
- (I250Y-R)
- (I250X-R)
- torr

v. 1 Run # 307-317		Date: 12/9/14	Start: 05:14	Stop: 6:10
Your Name: Jun		Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>				
Run Type: <input type="checkbox"/> Data Singles: (<input checked="" type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input checked="" type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS _____				
HIRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out		Drive Positions:		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		_____ mm	Target (I251Y-R)	
MCP MCP 0 (US): V: 1850 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US) (I250Y-R)	
MCP 1 (DS): V: 1800 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 1 (DS) (I250X-R)	
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr
Comments: MCPs just set up, not in trigger				

v. 1 Run # <u>Run 318</u>	Date: <u>12/9/14</u>	Start:	Stop:
Your Name:	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input checked="" type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input checked="" type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input checked="" type="checkbox"/> HIRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input checked="" type="checkbox"/> <u>EL</u>)	Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.: <u>DS/D</u>
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:		
MCP MCP 0 (US): V: <u>1849</u> I: <u>71 uA</u> <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	Target	(I251Y-R)
MCP 1 (DS): V: <u>1806</u> I: <u>58.6 uA</u> <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	_____ mm	MCP 1 (DS) (I250X-R)
Comments: <u>Start Data run</u>		Vacuum: _____ e- torr	

Starting from Run 318. We have lowered the thresholds on both MCPs to -2 V. We have included the MCP DS into the trigger with the DS factor set to 200x200. The HiRA singles downscale was also set to 10.

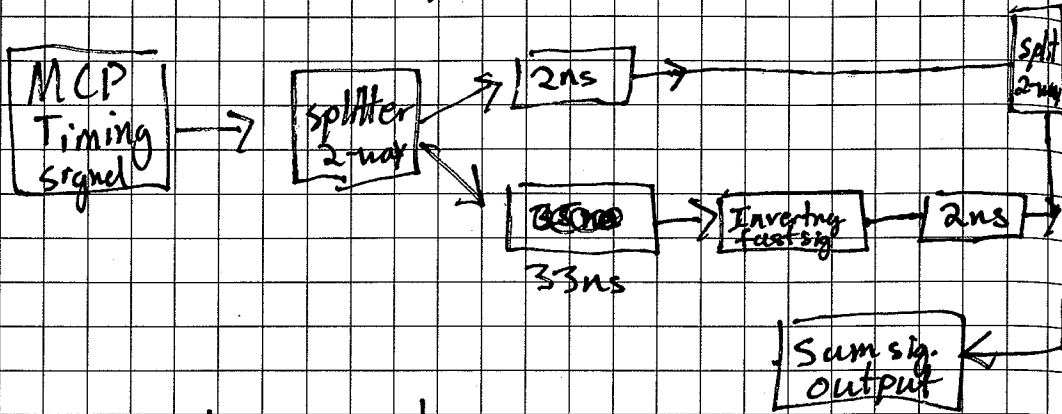
v. 1 Run # <u>319, 320</u>	Date: <u>12/9/14</u>	Start: <u>13:37</u>	Stop:
Your Name: <u>Kyle</u>	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input checked="" type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input checked="" type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.: _____ DS/D
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:		
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	Target	(I251Y-R)
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	_____ mm	MCP 1 (DS) (I250X-R)
Comments:		Vacuum: _____ e- torr	

v. 1 Run # <u>324</u>	Date: <u>2014/12/19</u>	Start:	Stop:
Your Name: <u>Jenny</u>	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input checked="" type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input checked="" type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk			
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS			
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>	
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R)	
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 1 (DS) (I250X-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: <u>Carbon target w/ Blower @ CT = 4.45</u>			

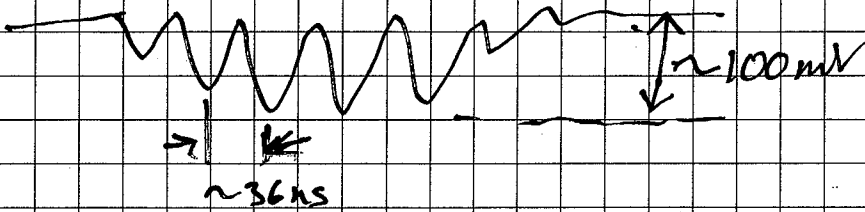
S800 Beam Blower
for 34 Ar CH2 Run. CT = 4.70
Carbon Run CT = 4.45
Run 324 Junk

v. 1 Run # <u>325</u>	Date: <u>2014/12/19</u>	Start:	Stop:
Your Name: <u>Jenny Lee</u>	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input checked="" type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input checked="" type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk			
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> <u>200-200</u>) <input checked="" type="checkbox"/> Sec.: _____ DS <u>10</u>			
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>	
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R)	
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 1 (DS) (I250X-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho: <u>2.205 (p.d.)</u>	Vacuum: <u>7.5 e-6</u> torr	
Comments: <u>Reaction Data Run Segment 6: 23112</u>			

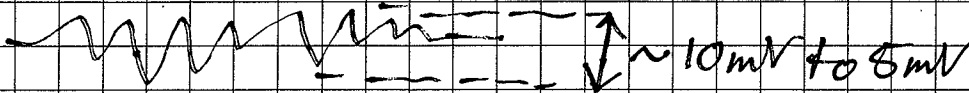
Bill & Justin
 Reducing ~~Eliminating~~ noise pickup in MCP timing signal



MCP pickup signal



Reduced inverted signal



v. 1	Run #
Your Name:	
Also on Shift: <input type="checkbox"/> Jon <input type="checkbox"/> Juan	
Run Type:	
S800 Trigger Bo	
HIRA Trigger:	
Target:	
MCP MCP 0 (
MCP 1 (DS):	
MCP Voltage o	
Comments:	

v. 1	Run #
Your Name:	
Also on Shift: <input type="checkbox"/> Jon <input type="checkbox"/> Juan	
Run Type:	
S800 Trigger Bo	
HIRA Trigger:	
Target:	
MCP MCP 0 (
MCP 1 (DS):	
MCP Voltage o	
Comments: <	

v. 1	Run #
Your Name:	
Also on Shift: <input type="checkbox"/> Jon <input type="checkbox"/> Juan	
Run Type:	
S800 Trigger Bo	
HIRA Trigger:	
Target:	
MCP MCP 0 (U	
MCP 1 (DS):	
MCP Voltage on	
Comments:	

v. 1 | Run # 326 | Date: 12/9/2014 | Start: 18:54 | Stop: 19:59

Your Name: Justin | Built data? Yes No

Also on Shift: Andy Ben Betty Bill Charles Christoph Cole Corinne Giordano Han Iwasaki Jack Jenny
 Jon Juan Justin Karl Kyle Li Mingbo Rachel Sean Suwat Xiao Xu Yassid Zibi

Run Type: Data | Singles: (HIRA S800 MCP) | Calib: (HIRA S800 MCP) | CRDC Junk
 Ext. 2 (MCP DS) | Sec.: DS

S800 Trigger Box: (1+) S800 Coin. Ext. 1 (pulser) | Ext. 2 (MCP DS) | Sec.: DS
Beam: 34Ar 46Ar 36Ar pdt

HIRA Trigger: EF&EB EF Csl | Drive Positions: Target (I251Y-R)
mm | MCP 0 (US) (I250Y-R)
mm | MCP 1 (DS) (I250X-R)
mm | e- torr

Target: Viewer CH2 25 um CH2 75 um out
 Mask C (17 mg/cm2) Alpha Empty

MCP MCP 0 (US): V: _____ I: _____ foil mask out
 foil mask out

MCP 1 (DS): V: _____ I: _____ foil mask out

MCP Voltage on? Yes No | S800 Segment & Brho: 2-245

Comments: Data run 112

v. 1 | Run # 327 | Date: 12/9/14 | Start: 19:58 | Stop: 2:00

Your Name: Kyle | Built data? Yes No

Also on Shift: Andy Ben Betty Bill Charles Christoph Cole Corinne Giordano Han Iwasaki Jack Jenny
 Jon Juan Justin Karl Kyle Li Mingbo Rachel Sean Suwat Xiao Xu Yassid Zibi

Run Type: Data | Singles: (HIRA S800 MCP) | Calib: (HIRA S800 MCP) | CRDC Junk
 Ext. 2 (MCP DS) | Sec.: DS

S800 Trigger Box: (1+) S800 Coin. Ext. 1 (pulser) | Ext. 2 (MCP DS) | Sec.: DS
Beam: 34Ar 46Ar 36Ar pdt

HIRA Trigger: EF&EB EF Csl | Drive Positions: Target (I251Y-R)
mm | MCP 0 (US) (I250Y-R)
mm | MCP 1 (DS) (I250X-R)
mm | e- torr

Target: Viewer CH2 25 um CH2 75 um out
 Mask C (17 mg/cm2) Alpha Empty

MCP MCP 0 (US): V: _____ I: _____ foil mask out
 foil mask out

MCP 1 (DS): V: _____ I: _____ foil mask out

MCP Voltage on? Yes No | S800 Segment & Brho: 2-245 (p.d)

Comments: Data

v. 1 | Run # 329 | Date: 12/9/14 | Start: 21:00 | Stop: ~22:30

Your Name: Kyle | Built data? Yes No

Also on Shift: Andy Ben Betty Bill Charles Christoph Cole Corinne Giordano Han Iwasaki Jack Jenny
 Jon Juan Justin Karl Kyle Li Mingbo Rachel Sean Suwat Xiao Xu Yassid Zibi

Run Type: Data | Singles: (HIRA S800 MCP) | Calib: (HIRA S800 MCP) | CRDC Junk
 Ext. 2 (MCP DS) | Sec.: DS

S800 Trigger Box: (1+) S800 Coin. Ext. 1 (pulser) | Ext. 2 (MCP DS) | Sec.: DS
Beam: 34Ar 46Ar 36Ar pdt

HIRA Trigger: EF&EB EF Csl | Drive Positions: Target (I251Y-R)
mm | MCP 0 (US) (I250Y-R)
mm | MCP 1 (DS) (I250X-R)
mm | e- torr

Target: Viewer CH2 25 um CH2 75 um out
 Mask C (17 mg/cm2) Alpha Empty

MCP MCP 0 (US): V: _____ I: _____ foil mask out
 foil mask out

MCP 1 (DS): V: _____ I: _____ foil mask out

MCP Voltage on? Yes No | S800 Segment & Brho: 2-245 (p.d)

Comments: Data

v. 1 Run #	329	Date:	12/10/14	Start:	~22:30	Stop:	01:05
Your Name:	Juan	Built data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input checked="" type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Juan <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser			<input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS		<input type="checkbox"/> Sec.: DS <input checked="" type="checkbox"/>	
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out			Drive Positions:			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty					mm Target (I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					mm MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		22.285 (p.d.)		Vacuum: _____ e- torr	
Comments: Data							

v. 1 Run #	330	Date:	12/10/14	Start:	00:05	Stop:	1:42
Your Name:	Juan	Built data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Juan <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser			<input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS		<input type="checkbox"/> Sec.: DS <input checked="" type="checkbox"/>	
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out			Drive Positions:			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty					mm Target (I251Y-R)	
MCP MCP 0 (US):	V: 1850 I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: 1800 I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					mm MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		22.285 (p.d.)		Vacuum: _____ e- torr	
Comments: Data							

v. 1 Run #	331	Date:	12/10/14	Start:	1:42	Stop:	3:09
Your Name:		Built data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Juan <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input checked="" type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser			<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS		<input type="checkbox"/> Sec.: DS <input checked="" type="checkbox"/>	
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out			Drive Positions:			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty					mm Target (I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					mm MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		22.285 (p.d.)		Vacuum: _____ e- torr	
Comments: Data							

To run S800 Scaler program:

- go to ~ / VM / USB / S800Scaler
- run "wish ScalerSum.tcl"
- click "Process .cut file" to open a run
- look in S800 slides for mapping

• EI Up: 16

• EI Down: 17

• OBS: ~~25~~ (24)

• XFP: ~~24~~ (25)

Also, log the following HIRA scalars each run:

- HIRA Lve
- HIRA Raw
- MCPO
- McPO_Lve
- MCP1
- MCP1_Lve

v. 1 Run #	332	Date:	12/10/14	Start:	3:10	Stop:	3:40
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP	Calib:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP	<input type="checkbox"/> CRDC	<input type="checkbox"/> J...
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext. 1	<input type="checkbox"/> pulser	<input checked="" type="checkbox"/> Ext. 2	<input type="checkbox"/> MCP DS	<input checked="" type="checkbox"/> 40K	<input checked="" type="checkbox"/> Sec.: DS
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	<input checked="" type="checkbox"/> DE	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> Mask	<input type="checkbox"/> CH2 25 um	<input checked="" type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	Target	(125V)
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US)	(1250V)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	2.245 (p.2)		Vacuum:	_____ e-	tor
Comments: Phoenix PS (K200 RF) tripped, operators have key							

v. 1 Run #	333	Date:	12/10/14	Start:	04:12	Stop:	5:44
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP	Calib:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP	<input type="checkbox"/> CRDC	<input type="checkbox"/> J...
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext. 1	<input type="checkbox"/> pulser	<input checked="" type="checkbox"/> Ext. 2	<input type="checkbox"/> MCP DS	<input checked="" type="checkbox"/> 40K	<input checked="" type="checkbox"/> Sec.: DS
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt					
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> Mask	<input type="checkbox"/> CH2 25 um	<input checked="" type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	Target	(125V)
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US)	(1250V)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	2.245 (p.2)		Vacuum:	_____ e-	tor
Comments: Data (beam slightly lower than before Phoenix trip ~85%)							

v. 1 Run #	334	Date:	12/10/14	Start:	5:50	Stop:	7:26
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP	Calib:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP	<input type="checkbox"/> CRDC	<input type="checkbox"/> J...
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext. 1	<input type="checkbox"/> pulser	<input checked="" type="checkbox"/> Ext. 2	<input type="checkbox"/> MCP DS	<input checked="" type="checkbox"/> 40K	<input checked="" type="checkbox"/> Sec.: DS
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt					
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> Mask	<input type="checkbox"/> CH2 25 um	<input checked="" type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	Target	(125V)
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US)	(1250V)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	2.245 (p.2)		Vacuum:	_____ e-	tor
Comments: Data: key returned to operators after run							

Run #
Name:
On Shift: And
 Juan Ju
Type:
Trigger Box: (1)
Trigger:
MCP 0 (US): V:
MCP 1 (DS): V:
Voltage on? Yes
Comments: CRAD06
Data

Run # 336
Name: Juan
On Shift: Andy Ben Juan Justin Karl
 Data
Trigger Box: (1+) S800
Trigger: EF&EB EF
 Viewer
 Mask
MCP 0 (US): V: _____ I: _____
MCP 1 (DS): V: _____ I: _____
Voltage on? Yes No
Data: key

v. 1 Run #	335	Date:	12/10/14	Start:	8:10	Stop:	
Your Name:	Sumat	Built data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext.2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> 40K)		<input type="checkbox"/> Sec.: _____		DS 10	
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		<input type="checkbox"/>	
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		_____ mm		Target (I251Y-R)	
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			_____ mm		MCP 0 (US) (I250Y-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm		MCP 1 (DS) (I250X-R)	
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		2.245		Vacuum: _____ e- torr	
Comments: CRAD06 back to ~10 kHz, Location of beam in MCP0 slightly different Data							

v. 1 Run #	336	Date:	12/10/14	Start:	9:47	Stop:	10:60
Your Name:	Sumat	Built data?		<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input checked="" type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext.2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> 40K)		<input type="checkbox"/> Sec.: _____		DS 10	
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		<input type="checkbox"/>	
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		_____ mm		Target (I251Y-R)	
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			_____ mm		MCP 0 (US) (I250Y-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm		MCP 1 (DS) (I250X-R)	
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		2.245		Vacuum: _____ e- torr	
Comments: Data : key returned to operator for beam tuning							

10:45 Beam tuning

enny

R)

R)

R)

Jenny

k

p

(-R)

(Y-R)

(X-R)

v. 1 Run # <u>337</u>	Date: <u>12/10/14</u>	Start: <u>11:25</u>	Stop: <u>12:05</u>
Your Name: <u>Kyle</u>	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input checked="" type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.: _____ DS/0
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: _____ mm Target (I251Y-R)		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: <u>1831</u> I: <u>71</u> <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: <u>1806</u> I: <u>38.6</u> <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	Vacuum: _____ e- torr		
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho: <u>2.245</u>		
Comments: <u>First Run after return.</u>			

v. 1 Run # <u>338</u>	Date: _____	Start: <u>12:25</u>	Stop: _____
Your Name: <u>Kyle</u>	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input type="checkbox"/> Sec.: _____ DS
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: _____ mm Target (I251Y-R)		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	Vacuum: _____ e- torr		
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho: <u>2.245</u>		
Comments: <u>CRDC 1</u>			

v. 1 Run # <u>339</u>	Date: <u>12/10/14</u>	Start: <u>12:36</u>	Stop: _____
Your Name: <u>Kyle</u>	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input type="checkbox"/> Sec.: _____ DS
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: _____ mm Target (I251Y-R)		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	Vacuum: _____ e- torr		
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho: <u>2.245</u>		
Comments: <u>CRDC Mask 2</u>			

v. 1 Run #	340	Date:	12/10/14	Start:	12:53	Stop:	
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input checked="" type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input type="checkbox"/> Sec.:	DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:	_____ mm Target (I251Y-R)				
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		_____ mm MCP 0 (US) (I250Y-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)				
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		_____ e- torr		
Comments:	Unreacted beam into S800 FP (Blower @ 5.4)						

v. 1 Run #	341 340	Date:	12/10/14	Start:	13:00	Stop:	
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input type="checkbox"/> Sec.:	DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:	_____ mm Target (I251Y-R)				
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		_____ mm MCP 0 (US) (I250Y-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)				
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		_____ e- torr		
Comments:	Unreacted beam into S800 FP						

v. 1 Run #	342	Date:	12/10/14	Start:	13:09	Stop:	
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input checked="" type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input type="checkbox"/> Sec.:	DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:	_____ mm Target (I251Y-R)				
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		_____ mm MCP 0 (US) (I250Y-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)				
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		_____ e- torr		
Comments:	Beam hit wrong! Back to data						

v. 1 Run #	343	Date:	12/10/14	Start:	13:12	Stop:	
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS / 0						
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input checked="" type="checkbox"/> CH2 75 um	<input type="checkbox"/> out			
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty			
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out		
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out		
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments: First date run after unreacted beam into S900 FP							

v. 1 Run #	344	Date:	12-10-14	Start:	13:42	Stop:	
Your Name:	Jack	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS						
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input checked="" type="checkbox"/> CH2 75 um	<input type="checkbox"/> out			
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty			
MCP MCP 0 (US):	V: 185	I: 71 μ A	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out		
MCP 1 (DS):	V: 1806	I: 58 μ A	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out		
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho: 2.245			Vacuum: _____ e- torr		
Comments:							

Beam Current. 12-10-14, 15:35

Q013 = 8.9 e μ A

N053 = 760 e μ A

J053 = 5.3 e μ A

K12

N004 = 1.97 e μ A

main probe = 870 e μ A

(extraction)

v. 1 |
Your Name:
Also on Shift:
Run Type:
S800 Trigger Box:
HIRA Trigger:
Target:
MCP MCP 0 (US):
MCP 1 (DS):
MCP Voltage on?
Comments:

v. 1 |
Your Name:
Also on Shift:
Run Type:
S800 Trigger Box:
HIRA Trigger:
Target:
MCP MCP 0 (US):
MCP 1 (DS):
MCP Voltage on?
Comments:

v. 1 |
Your Name:
Also on Shift:
Run Type:
S800 Trigger Box:
HIRA Trigger:
Target:
MCP MCP 0 (US):
MCP 1 (DS):
MCP Voltage on?
Comments:

v. 1 Run #	345	Date:	12/10/14	Start:		Stop:	
Your Name:	Suwat	Built data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)			<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS)		<input type="checkbox"/> Sec.: DS	
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar		<input type="checkbox"/> pdt	
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out			Drive Positions:		134 mm Target (I251Y-R)	
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty						
MCP MCP 0 (US):	V: 1851 I: 71 mA <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: 1806 I: 58 mA <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:		e- torr	
Comments:							

v. 1 Run #	346	Date:	12/10/14	Start:	17:12	Stop:	
Your Name:	Kyle	Built data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	17:10	
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)			<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS)		<input checked="" type="checkbox"/> Sec.: DS 10	
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar		<input type="checkbox"/> pdt	
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out			Drive Positions:		mm Target (I251Y-R)	
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty						
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:		e- torr	
Comments:							

v. 1 Run #	347	Date:	12/10/14	Start:	18:10	Stop:	
Your Name:	Kyle	Built data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input checked="" type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)			<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS)		<input checked="" type="checkbox"/> Sec.: DS 10	
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar		<input type="checkbox"/> pdt	
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out			Drive Positions:		mm Target (I251Y-R)	
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty						
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:		e- torr	
Comments:							

v. 1 Run #	348	Date:	12/10/14	Start:	17:37	Stop:	
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input checked="" type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input checked="" type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS _____) <input type="checkbox"/> Sec.: _____ DS _____						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl			Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> ptd <input type="checkbox"/>			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No			S800 Segment 8 Brho:		Vacuum: _____ e- torr	
Comments:	blocker moved to 5.0 a.u.						

v. 1 Run #	349	Date:	12/10/14	Start:	19:48	Stop:	20:42
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input checked="" type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input checked="" type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS _____) <input checked="" type="checkbox"/> Sec.: _____ DS/0						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl			Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> ptd <input type="checkbox"/>			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No			S800 Segment 8 Brho:		Vacuum: _____ e- torr	
Comments:	Data, blocker returned to 4.9 a.u.						

v. 1 Run #	350	Date:	12/10/14	Start:	20:43	Stop:	
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input checked="" type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS _____) <input checked="" type="checkbox"/> Sec.: _____ DS/0						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl			Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> ptd <input type="checkbox"/>			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: 134 mm Target (I251Y-R) 110 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: 1832 I: 7.1 uA <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: 1904 I: 58.6 <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			S800 Segment 8 Brho:		Vacuum: _____ e- torr	
Comments:							

v. 1 | Your N
Also on
 Jon
Run T
S800
HiRA
Target
MCP
MCP
MCP
Com

v. 1 | Your
Also
 J
Run
S80
HIR
Tar
M
M
M
C

v. 1 Run #	251	Date:	12/10/14	Start:	22:04	Stop:	11:55 PM
Your Name:	Kyle	Built data?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input checked="" type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)		<input checked="" type="checkbox"/> Sec.: DS			
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> Mask	<input type="checkbox"/> CH2 25 um <input type="checkbox"/> C (17 mg/cm2)	<input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> Alpha	<input type="checkbox"/> out <input type="checkbox"/> Empty	Drive Positions: 134 mm Target (I251Y-R)		
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)				
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments:	Data						

v. 1 Run #	352	Date:	12/10/2014	Start:	11:55 pm	Stop:	11:05 pm
Your Name:	Christoph	Built data?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)		<input checked="" type="checkbox"/> Sec.: DS			
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> Mask	<input type="checkbox"/> CH2 25 um <input type="checkbox"/> C (17 mg/cm2)	<input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> Alpha	<input type="checkbox"/> out <input type="checkbox"/> Empty	Drive Positions: 134 mm Target (I251Y-R)		
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)				
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments:	Data Mcp0 HV was somehow off (tripped)						

v. 3.3 Run #	353	Date:	12/11/2014	Start:	1:08 am	Stop:	2:39 am
Your Name:	Xu	Built data?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)		<input checked="" type="checkbox"/> Sec.: _____			
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> Mask	<input type="checkbox"/> CH2 100um <input type="checkbox"/> Au	<input checked="" type="checkbox"/> CH2 75um <input type="checkbox"/> Alpha	<input type="checkbox"/> out <input type="checkbox"/> Empty	Drive Positions: 134 mm Target (I251Y-R)		
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)				
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
CAEN Bias?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments: Data					

v. 1 Run #	354	Date:	12/11/14	Start:	2:39	Stop:	4:15	
Your Name:	Jun	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin.	<input checked="" type="checkbox"/> Ext.1	<input type="checkbox"/> pulser <input type="checkbox"/> _____		<input checked="" type="checkbox"/> Ext.2	<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> 40K <input checked="" type="checkbox"/> Sec.: DS		
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:					<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:					
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	Target	(I251Y-R)	
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		_____ mm	MCP 1 (DS)	(I250X-R)	
Comments:	Data							

v. 1
Your
Also
 Jc
Run
S800
HiRA
Targ
MC
MCP
MCI
Con

v. 1 Run #	355	Date:	12/11/14	Start:	4:30	Stop:	6:05	
Your Name:	Jun	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin.	<input checked="" type="checkbox"/> Ext.1	<input type="checkbox"/> pulser <input type="checkbox"/> _____		<input checked="" type="checkbox"/> Ext.2	<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> 40K <input checked="" type="checkbox"/> Sec.: DS		
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:					<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:					
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	Target	(I251Y-R)	
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		_____ mm	MCP 1 (DS)	(I250X-R)	
Comments:	Data. stopped early to fit in CRX Mask Run before MCP Mask (this comment went for Run 356)							

v. 1
Your
Also
 Jc
Run
S800
HiRA
Targ
MC
MCP
MCI
Con

v. 1 Run #	356	Date:	12/11/14	Start:	6:05	Stop:	07:13	
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1	<input type="checkbox"/> pulser <input type="checkbox"/> _____		<input type="checkbox"/> Ext.2	<input type="checkbox"/> MCP DS <input type="checkbox"/> _____ <input type="checkbox"/> Sec.: DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:					<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:					
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	Target	(I251Y-R)	
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		_____ mm	MCP 1 (DS)	(I250X-R)	
Comments:	Data.							

v. 1
Your
Also
 Jc
Run
S800
HiRA
Targ
MC
MCP
MCI
Con

v. 1 Run #	357	Date:	12/11/14	Start:		Stop:	
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions:			
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	Target	(I251Y-R)	
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:	_____ e-	Vacuum:	_____ torr	
Comments:	CRDC Mask 1						

v. 1 Run #	358	Date:	12/11/14	Start:		Stop:	
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions:			
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	Target	(I251Y-R)	
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:	_____ e-	Vacuum:	_____ torr	
Comments:	CRDC Mask 2						

• DAG crashed during run 359

Runs 359, 360 possibly recorded S800 data

→ Rebooted VMUSB, had problems with Reboot.

362: data runs as 356.

→ Reboot: S800 still detaching from Merged DAG Reboot. Want into Vault to Restart S800 CAMAC/VME/spdgy

~ 10 am 12/11/14: Realized the Carbon Foil on MCP1 drive is mounted 90° rotated from what it should be: The Foil should have the long side horizontal, but it is mounted vertical.
 - Will have a larger proportion of beam hitting mylar foil than otherwise.

11 am

- Changed VMUSB Readout

v. 1 Run #	364	Date:	12/11/14	Start:	11:40	Stop:	
Your Name:	Suwat	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data <input checked="" type="checkbox"/> Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS _____		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input checked="" type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	134 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments:	MCP 1 Calib.						

v. 1 | Run # 369 | Date: 12/11/14 | Built data? Yes No

Your Name: Rachel

Also on Shift: Andy Ben Betty Bill Charles Christoph Cole Corinne Giordano Han Iwasaki Jack Jenny Jon Juan Justin Karl Kyle Li Mingbo Rachel Sean Suwat Xiao Xu Yassid Zibi

Run Type: Data Singles: (HIRA S800 MCP) Calib: (HIRA S800 MCP) CRDC Junk

S800 Trigger Box: (1+) S800 Coin. Ext.1 (pulser) Ext. 2 (MCP DS) Sec.: DS

HIRA Trigger: EF&EB EF Csl Beam: 34Ar 46Ar 36Ar pdt

Target: Viewer CH2 25 um CH2 75 um out Mask C (17 mg/cm2) Alpha Empty

Drive Positions: 134 mm Target (I251Y-R)

MCP MCP 0 (US): V: _____ I: _____ foil mask out 188 mm MCP 0 (US) (I250Y-R)

MCP 1 (DS): V: _____ I: _____ foil mask out 107.5 mm MCP 1 (DS) (I250X-R)

MCP Voltage on? Yes No S800 Segment 8 Brho: _____ Vacuum: _____ e- torr

Comments: MCP 0 Mask Calib

v. 1 | Run # 370 | Date: 12/11/14 | Built data? Yes No

Your Name: Kyle Start: 12:54

Also on Shift: Andy Ben Betty Bill Charles Christoph Cole Corinne Giordano Han Iwasaki Jack Jenny Jon Juan Justin Karl Kyle Li Mingbo Rachel Sean Suwat Xiao Xu Yassid Zibi

Run Type: Data Singles: (HIRA S800 MCP) Calib: (HIRA S800 MCP) CRDC Junk

S800 Trigger Box: (1+) S800 Coin. Ext.1 (pulser) Ext. 2 (MCP DS) Sec.: DS

HIRA Trigger: EF&EB EF Csl Beam: 34Ar 46Ar 36Ar pdt

Target: Viewer CH2 25 um CH2 75 um out Mask C (17 mg/cm2) Alpha Empty

Drive Positions: 169.5 mm Target (I251Y-R)

MCP MCP 0 (US): V: _____ I: _____ foil mask out 112 mm MCP 0 (US) (I250Y-R)

MCP 1 (DS): V: _____ I: _____ foil mask out 107.5 mm MCP 1 (DS) (I250X-R)

MCP Voltage on? Yes No S800 Segment 8 Brho: _____ Vacuum: _____ e- torr

Comments: Target mask run

- Return to original beam tune (no diffusion).

v. 1 | Run # 371 | Date: _____ | Built data? Yes No

Your Name: _____

Also on Shift: Andy Ben Betty Bill Charles Christoph Cole Corinne Giordano Han Iwasaki Jack Jenny Jon Juan Justin Karl Kyle Li Mingbo Rachel Sean Suwat Xiao Xu Yassid Zibi

Run Type: Data Singles: (HIRA S800 MCP) Calib: (HIRA S800 MCP) CRDC Junk

S800 Trigger Box: (1+) S800 Coin. Ext.1 (pulser) Ext. 2 (MCP DS) Sec.: DS

HIRA Trigger: EF&EB EF Csl Beam: 34Ar 46Ar 36Ar pdt

Target: Viewer CH2 25 um CH2 75 um out Mask C (17 mg/cm2) Alpha Empty

Drive Positions: 169.5 mm Target (I251Y-R)

MCP MCP 0 (US): V: _____ I: _____ foil mask out 112 mm MCP 0 (US) (I250Y-R)

MCP 1 (DS): V: _____ I: _____ foil mask out 107.5 mm MCP 1 (DS) (I250X-R)

MCP Voltage on? Yes No S800 Segment 8 Brho: _____ Vacuum: _____ e- torr

Comments: Focused beam, target mask run

30

v. 1 Run #	372	Date:	
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi		
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS		
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R)
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No S800 Segment 8 Brho:		Vacuum: _____ e- torr
Comments:	Focused beam, target mask run after Bill raised voltage on both MCPs by 50v.		

v. 1 Run #	373	Date:		Start:		Stop:	
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HIRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____						
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions: 164 mm Target (I251Y-R)		
MCP MCP 0 (US):	V: 1.85 I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm MCP 0 (US) (I250Y-R)		
MCP 1 (DS):	V: 1.8 I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm MCP 1 (DS) (I250X-R)		
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No S800 Segment 8 Brho:				Vacuum: _____ e- torr		
Comments:	Moved target down by 5.5 mm - see shift in MCP voltage down 50v to return to original						

v. 1 Run #	374	Date:		Start:	13:20	Stop:	
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____						
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions: 174 mm Target (I251Y-R)		
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				112 mm MCP 0 (US) (I250Y-R)		
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				107.5 mm MCP 1 (DS) (I250X-R)		
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No S800 Segment 8 Brho:				Vacuum: _____ e- torr		
Comments:	Moved target up by 1.0 cm -> is 4.5 mm below initial value						

Thick CH₂

Run # Denny MCP Calib

Drive Position

164

○ ○

← Run 373

11/11/14 11/11/14 11/11/14

165

○

← Run 372

○ ○

174

○ ○

← Run 374

Run 373 372 373

Carbon

v. 1 Run #	375-6	Date:		Start:		Stop:	
Your Name:		Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP	Calib:	<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP	<input type="checkbox"/> CRDC	<input checked="" type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input type="checkbox"/> Sec.:	DS			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		_____ mm	Target	(I251Y-R)	
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty			_____ mm	MCP 0 (US)	(I250Y-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 1 (DS)	(I250X-R)	
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			Vacuum: _____ e- torr			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Comments: Junk. No triggers			

v. 1 Run #	377	Date:	12-10-14	Start:		Stop:	
Your Name:	Suwat	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles:	<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP	Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input type="checkbox"/> Sec.:	DS			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		236.7 mm	Target	(I251Y-R)	
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty			_____ mm	MCP 0 (US)	(I250Y-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 1 (DS)	(I250X-R)	
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			Vacuum: _____ e- torr			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Comments: Alpha run dt			

v. 1 Run #	378	Date:	12-11-14	Start:	15:28	Stop:	
Your Name:	Sumit	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles: (<input checked="" type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.: _____		DS _____	
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		230.7 mm Target (I251Y-R)			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			_____ mm MCP 0 (US) (I250Y-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm MCP 1 (DS) (I250X-R)			
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments: Alpha AE							

* turn off : discriminator for CB12
 25 MeV/u p.d.t beam

v. 1 Run #	379	Date:	12/11/14	Start:	18:15	Stop:	18:20
Your Name:	Justin	Built data?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input checked="" type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.: _____		DS _____	
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input checked="" type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		193.5 mm Target (I251Y-R)			
	<input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			0 mm MCP 0 (US) (I250Y-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			0 mm MCP 1 (DS) (I250X-R)			
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: 6.3 e-6 torr			
Comments: 25 MeV/A deuterium calb run stopped abruptly							

v. 1 Run # 380	Date: 12/11/14	Start: 18:24	Stop:
Your Name: Justin	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input checked="" type="checkbox"/> Sec.: DS	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input checked="" type="checkbox"/> pdt <input type="checkbox"/>		
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl			
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions: 193.5 mm Target (I251Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)		
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)		
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho: _____ e- torr		
Comments: 25 MeV/A deuteron calb			

v. 1 Run # 382	Date: 12/11/14	Start: 19:23	Stop:
Your Name: Kyle	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input type="checkbox"/> Sec.: DS	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input checked="" type="checkbox"/> pdt <input type="checkbox"/>		
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl			
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions: _____ mm Target (I251Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)		
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)		
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho: _____ e- torr		
Comments: Carbon target			

v. 1 Run # 383	Date: 12/11/14	Start: 19:34	Stop: 19:56
Your Name: Kyle	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input checked="" type="checkbox"/> Sec.: DS	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input checked="" type="checkbox"/> pdt <input type="checkbox"/>		
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl			
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions: _____ mm Target (I251Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)		
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)		
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho: _____ e- torr		
Comments: CH2 target			

	C1	1065	Xfp
310	6738	61619	51756
320	178454	162958	136283
330	275081	250217	205017
340	219344	218549	214889
350	228317	207469	177538
356	186984	170624	146147

4 pm Dec 11 Weht ~~to~~ to the vault to investigate the dead time issue.

1.) We noticed that the output of the dead time blanked discriminator that goes to the TDC was plugged into the Out instead of the Out output. The width of the discriminator was set to 20ns so the trailing edge of the discriminator will be when the transition of the out will go negative and ~~set~~ set the time of the TDC. This will be 20 ns later when we put it into the correct output it will be 20ns earlier.

2.) ~~we then put~~ The ^{dead} ~~time~~ time blocker was not put into the live time scaler discriminator. So there were not measuring live time before.

3.) we put CSI 3 live into Scaler 30 (0-31) and CSI all into Scaler 31 (0-31) is the last one

4.)

Run # 3
 Name: K
 on Shift: Andy
 Jon Juan Ju
 Type:
 Trigger Box:
 Trigger:
 Target:
 MCP MCP 0 (US):
 MCP 1 (DS):
 MCP Voltage on?
 Comments: Fir

Run # 385
 Name: Justin
 on Shift: Andy
 Juan Justin
 Type: D
 Trigger Box: (1+)
 Trigger:

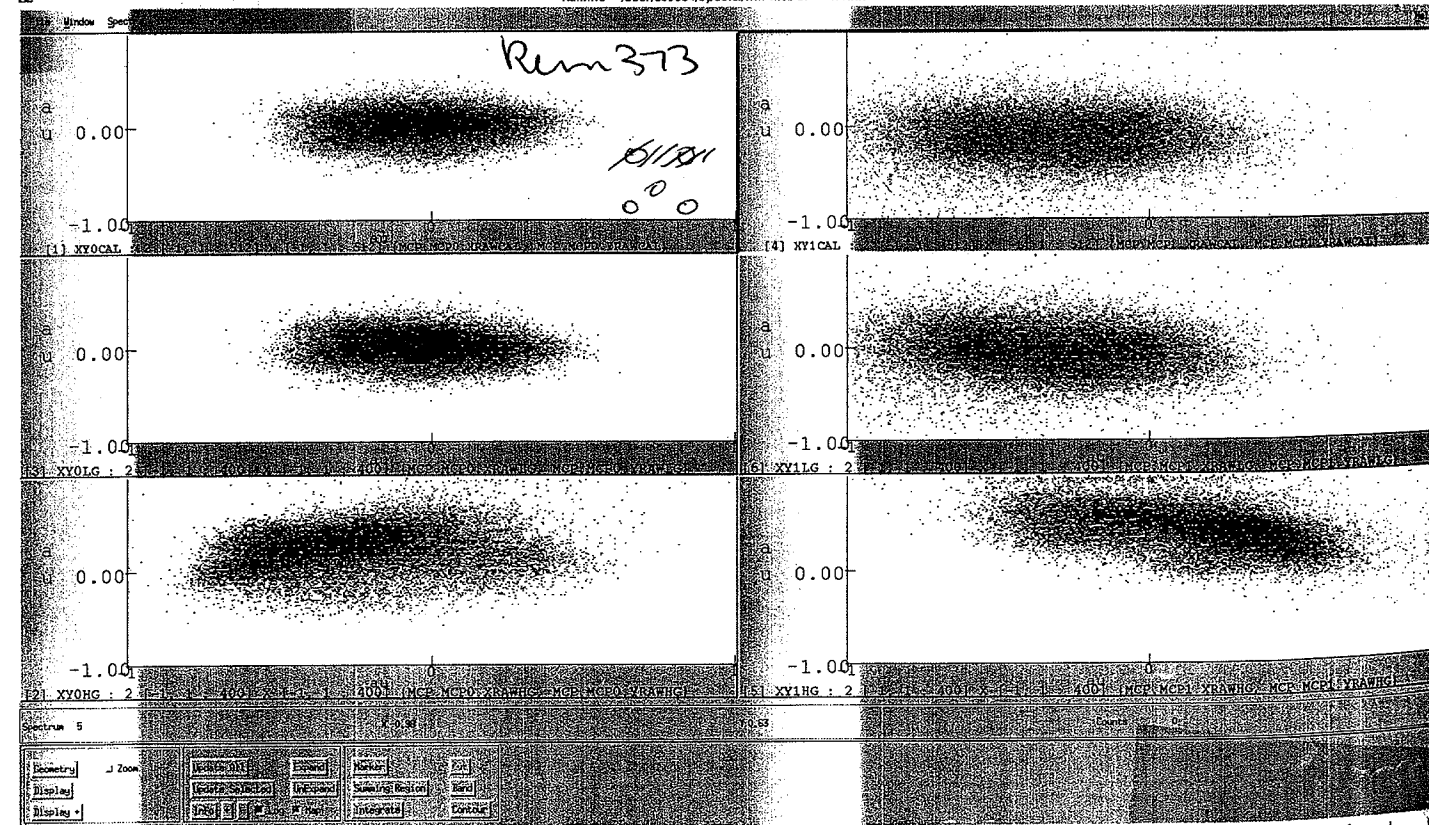
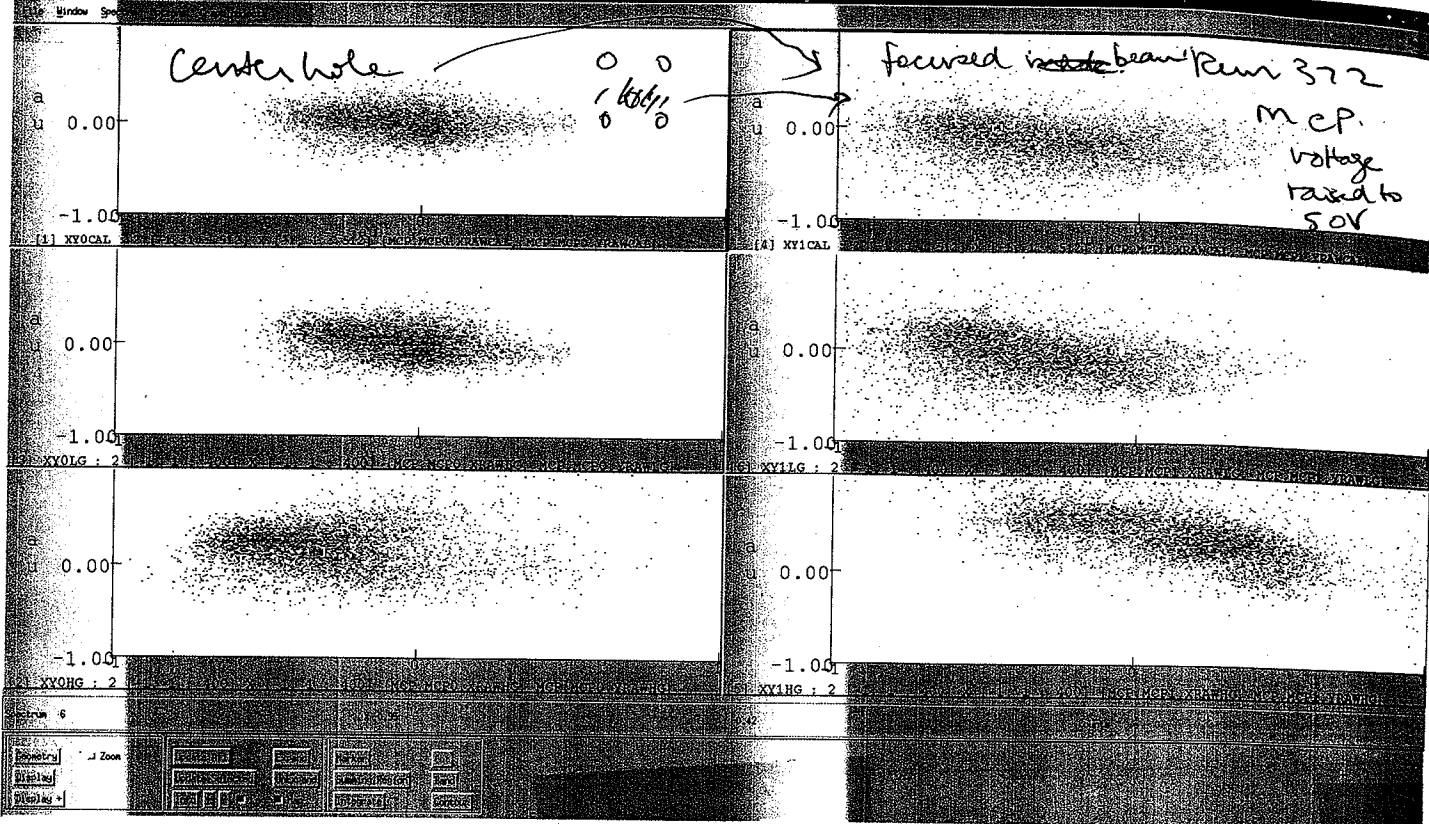
 MCP 0 (US): V:
 (DS): V:
 Voltage on? Ye
 Comments:

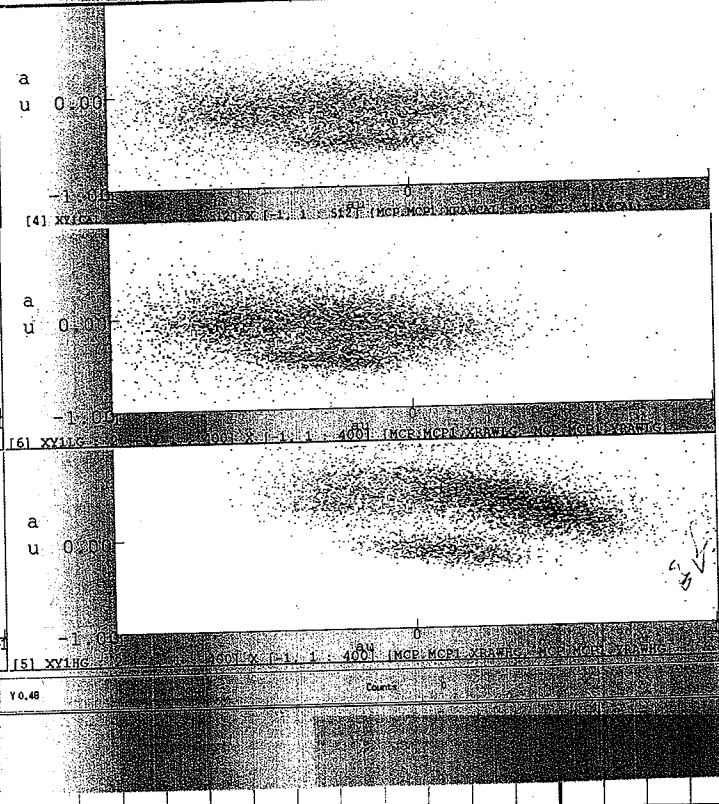
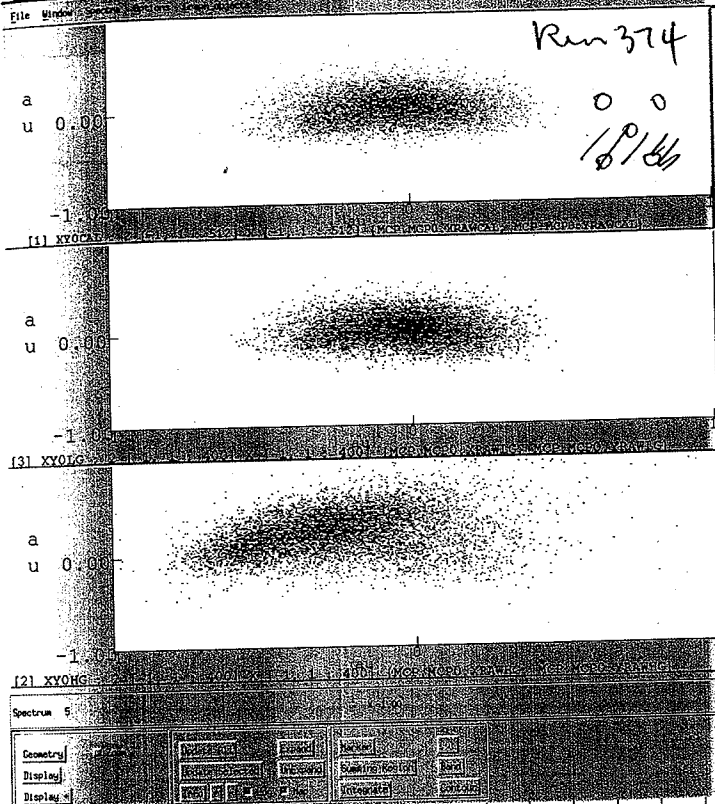
Run # 3
 Name: J
 on Shift: Andy
 Jon Juan Ju
 Type:
 Trigger Box:
 Trigger:
 Target:
 MCP MCP 0 (US):
 MCP 1 (DS):
 MCP Voltage on?
 Comments:

v. 1 Run # 384	Date: 12/11/14	Start: 22:12	Stop:
Your Name: Kyle	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)	<input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS)	<input checked="" type="checkbox"/> Sec.: DS	
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input checked="" type="checkbox"/> pdt		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: 134 mm Target (I251Y-R)		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	<input type="checkbox"/> 0 mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	<input type="checkbox"/> 0 mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	Vacuum: _____ e- torr		
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		
Comments: First Calibration after return.			

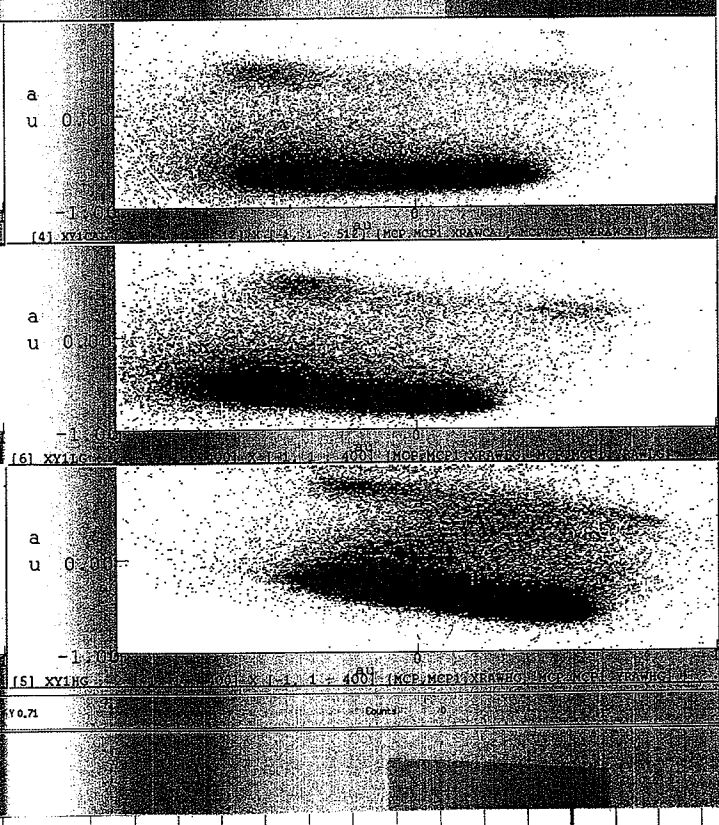
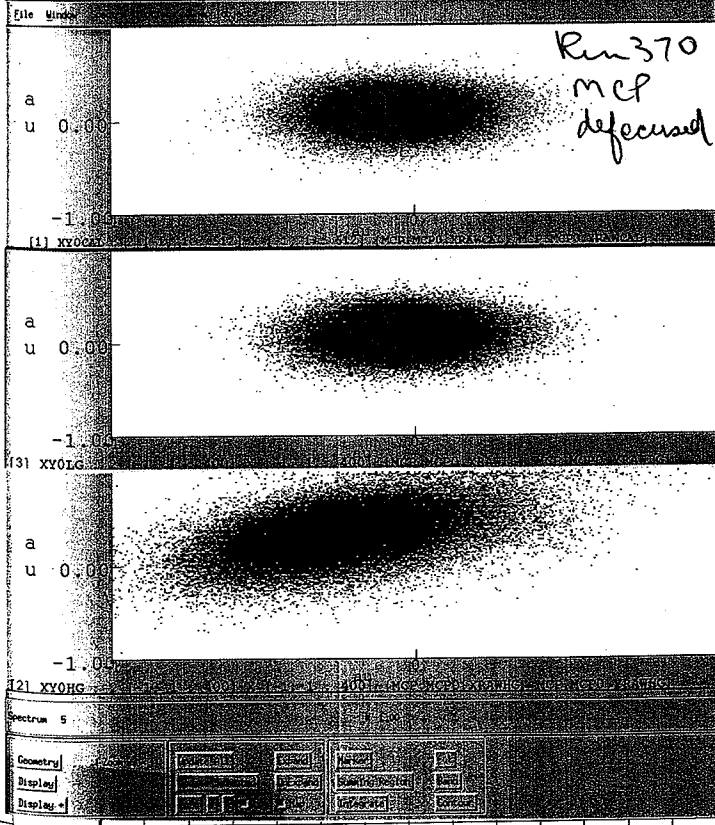
v. 1 Run # 385	Date: 12/11/14	Start: 22:48	Stop: 23:00
Your Name: Justin	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)	<input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS)	<input checked="" type="checkbox"/> Sec.: DS	
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input checked="" type="checkbox"/> pdt		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: 134 mm Target (I251Y-R)		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	<input type="checkbox"/> 0 mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	<input type="checkbox"/> 0 mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	Vacuum: _____ e- torr		
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		
Comments: 25 MeV/A deuteron calb			

v. 1 Run # 386	Date: 12/11/14	Start: 23:02	Stop: 23:13
Your Name: Justin	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)	<input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS)	<input checked="" type="checkbox"/> Sec.: DS	
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input checked="" type="checkbox"/> pdt		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: 134 mm Target (I251Y-R)		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	<input type="checkbox"/> 0 mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	<input type="checkbox"/> 0 mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	Vacuum: _____ e- torr		
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		
Comments: DAQ Error cut 385 short re 25 MeV/A deuteron			





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18/1/84 2



#38 Han

A1900 "Print11Dec14_17h59.txt" Thursday 17:59:55 2014-12-11 A1900
 Moe_252 *** 2H @ 25 MeV/u to I253 (production) ***
 Expt: 09084 "Comp. of Spec. Factors from (p,d) & KO" [J. Lee] Line: S800 [8]
 Beam: 36 Ar 7+ 13.06 MeV/nuc (K500) 18+ 150 MeV/nuc (K1200) Chpr off
 <Att 10k> ECR, Apertures: SUSI 150.0; 15.0; 15.0 mm SHVBI: 23.2400 kV
 K500 a,b: 618 A, 462 A K1200: 725 A, -229 A RF: 23.83840 MHz

A1900 Optics: L19S3I_Focus60x30HiRA.data

Seg	Rigidity	Field	Radius	(live)	Difference (Field*Radius)
Seg 0:	3.66255 Tm				
Seg 1:	1.46000 Tm	0.47147 T	3.09683 m	3.09672 m	0.00368 % (1.46005 Tm)
Seg 2:	1.46000 Tm	0.47161 T	3.09601 m	3.09577 m	0.00785 % (1.46011 Tm)
Seg 3:	1.46000 Tm	0.47253 T	3.08985 m	3.08975 m	0.00342 % (1.46004 Tm)
Seg 4:	1.46000 Tm	0.47218 T	3.09184 m	3.09205 m	-0.00696 % (1.45990 Tm)
Seg 5:	1.46000 Tm				
Seg 6:	1.46000 Tm				
Seg 7:	1.46000 Tm				
Seg 8:	2.24500 Tm				
A116DS		0.46790 T	3.11991 m	3.12032 m	-0.01330 %
A132DS		-0.45290 T	3.22283 m	3.22367 m	-0.02605 %
A165DS		0.24930 T	5.85607 m	5.85640 m	-0.00564 %
I200DS		0.45911 T	3.17972 m	3.18007 m	-0.01073 %
I205DS		0.47406 T	3.08026 m	3.07978 m	0.01548 %
I223DS		0.46849 T	3.11612 m	3.11640 m	-0.00875 %
I228DS		0.46129 T	3.16536 m	3.16504 m	0.01025 %
I265DS		0.80104 T	2.80280 m	2.80262 m	-0.00600 %
I269DS		0.80099 T	2.80280 m	2.80278 m	0.00066 %

Trim Coils: I265T (read) 65.40 (65.36) A; I269T 65.75 (65.76) A
 Slits: I181 XC,G,YC,G: 76.21, 84.45; -77.36, 84.53
 Z001TL: out, Z013TL: out; Z014TL out
 Z015TL: Be 470, Z016TL out
 Z030BC Beam Stop: -89.91 mm
 Z037L,R: -16.00, 16.00 mm or -0.54, 0.54 width= 1.08 %; Z037DC: out
 Z057MS: 1%, Z061MS: out
 Z059DC: out, Z062SC: out, Z059TL: out
 Z082 XC,G,YG: 0.16, 203.64, 202.16 mm Z082TL: out
 Z103DC: out, Z106DC: out, Z107DC U/L: out/out
 Z104DC-R 0.000 mm; .IRPOS 0; .STR1 115um BC400 #045
 Z105TL: out, Slits: ; PPACs: ; Z107 outlim: Y
 Z104 XC,G,YC,G: -22.32, 54.67; -0.04, 79.93 mm
 Slits: I181 XC,G,YC,G: 76.21, 84.45; -77.36, 84.53
 I187: out, I188: out, I189: out, I190: out
 I213: out, I214: out, I215: out, I216: out
 I214DC Det Drive: out; I255T: 4.90 B: 3.20 mm; Up/Dn Mask: out/out
 Scattering Chamber I250X-R/I250Y-R/I251Y-R [mm]: 0.0/ 0.0/31.0
 I259XM: 0.0038 XP: 0.0000 YM: 0.0000 YP: 1.7232

MagName	Ref[kG]	BSet[kG]	Ratio	(live)	Set[A]	Read[A]	DEVI
Z001DV	0.000	-0.691	-18873.31	-18873.31	-300.0000	-300.498	Z001DV
Z002DH	0.000	-1.328	-36262.78	-36262.78	-3.2383	-3.172	Z002DH
Z003DV	0.000	0.864	23686.37	23600.43	2.0942	2.138	Z003DV
Z004QA	1.685	6.172	1.000000	1.000000	4.3129	4.310	Z004QA
Z005QB	-0.414	-1.516	1.000000	1.000000	-1.0580	-1.037	Z005QB
Z008DS	2.492	8.953	0.980957	0.980957	29.9577	30.032	Z008DS
Z011QA	-2.322	-8.931	1.050000	1.050000	-6.2469	-6.189	Z011QA
Z012QB	3.409	15.982	1.280000	1.280000	11.6768	11.609	Z012QB

Segment 1

Z017TA	3.539	5.466	1.057000	1.057000	14.3594	14.406	Z017TA
Z019TB	-3.322	-4.902	1.010000	1.010000	-12.8988	-12.877	Z019TB
Z021TC	2.407	3.667	1.043000	1.043000	7.6664	7.692	Z021TC
Z026DS	3.226	4.655	0.988442	0.988442	28.4429	28.187	Z026DS
Z031TA	2.926	4.276	1.000000	1.000000	8.9135	8.974	Z031TA
Z033TB	-3.613	-5.278	1.000000	1.000000	-15.3710	-15.379	Z033TB
Z035TC	3.183	4.652	1.000000	1.000000	9.6923	9.768	Z035TC

Segment 2

Z039TA	3.183	4.652	1.000000	1.000000	9.7104	9.768	Z039TA
Z041TB	-3.562	-5.204	1.000000	1.000000	-15.1907	-15.257	Z041TB

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Z043TC	2.924	4.274	1.000000	1.000000	8.9148	8.974	Z043TC
Z048DS	-3.226	-4.791	1.017368	1.017368	-29.8043	-29.933	Z048DS
Z053TA	2.800	4.088	1.000000	1.000000	8.4974	8.486	Z053TA
Z055TB	-3.665	-5.358	1.000000	1.000000	-14.4383	-14.403	Z055TB
Z057TC	3.264	4.796	1.000000	1.000000	45.4185	45.183	Z057TC
----- Segment 3 -----							
Z062TA	3.264	4.796	1.000000	1.000000	45.6205	45.402	Z062TA
Z064TB	-3.665	-5.358	1.000000	1.000000	-14.4270	-14.403	Z064TB
Z066TC	2.800	4.088	1.000000	1.000000	8.5669	8.547	Z066TC
Z071DS	-3.226	-4.621	0.981227	0.981227	-28.7133	-28.871	Z071DS
Z076TA	2.924	4.274	1.000000	1.000000	8.9371	9.035	Z076TA
Z078TB	-3.562	-5.204	1.000000	1.000000	-15.2208	-15.074	Z078TB
Z080TC	3.183	4.652	1.000000	1.000000	9.7348	9.768	Z080TC
----- Segment 4 -----							
Z084TA	3.097	4.611	1.019000	1.019000	9.5996	9.707	Z084TA
Z086TB	-3.403	-4.942	0.994000	0.994000	-14.3221	-14.220	Z086TB
Z088TC	2.767	4.116	1.018000	1.018000	8.5622	8.547	Z088TC
Z093DS	3.226	4.669	0.991418	0.991418	28.5643	28.504	Z093DS
Z098TA	2.501	3.583	0.978000	0.978000	7.4860	7.448	Z098TA
Z100TB	-3.039	-4.283	0.965000	0.965000	-11.2675	-11.290	Z100TB
Z102TC	1.454	1.903	0.903000	0.903000	5.0016	5.007	Z102TC
----- Segment 5 -----							
A108TA	2.685	3.920	1.000000	1.000000	2.7367	2.760	A108TA
A110TB	-3.800	-5.504	0.992000	0.992000	-3.8449	-3.824	A110TB
A112TC	2.931	4.266	0.997000	0.997000	2.9783	2.994	A112TC
A116DS	3.220	4.608	0.980287	0.980287	39.5587	39.647	A116DS
A121QA	3.283	4.793	1.000000	1.000000	3.3468	3.358	A121QA
A123QB	-1.070	-1.563	1.000000	1.000000	-1.0907	-1.081	A123QB
A125QA	-2.328	-3.399	1.000000	1.000000	-2.3730	-2.379	A125QA
A127QB	2.765	4.037	1.000000	1.000000	2.8184	2.827	A127QB
A132DS	-3.125	-4.476	0.981052	0.981052	-38.4266	-38.380	A132DS
A136DV	0.000	0.000	0.000-00	0.000-00	0.0000	-0.001	A136DV
A139QA	-2.229	-3.254	1.000000	1.000000	-2.2717	-2.272	A139QA
A141QB	1.979	2.889	1.000000	1.000000	2.0170	2.021	A141QB
A145DH	0.000	0.000	0.000-00	0.000-00	0.0000	0.001	A145DH
A157QA	-1.983	-2.895	1.000000	1.000000	-2.0208	-2.020	A157QA
A159QB	2.106	3.074	1.000000	1.000000	2.1463	2.141	A159QB
A165DS	1.708	2.487	0.997166	0.997166	21.3523	21.145	A165DS
I170DH	0.000	-0.013	-873.0923	-873.0924	-1.1435	-1.299	I170DH
I172QA	1.483	2.165	1.000000	1.000000	1.5105	1.505	I172QA
I174QB	-1.804	-2.634	1.000000	1.000000	-1.8382	-1.819	I174QB
I184QA	2.574	3.758	1.000000	1.000000	2.6233	2.630	I184QA
I186QB	-4.025	-5.877	1.000000	1.000000	-4.1063	-4.106	I186QB
----- Segment 6 -----							
I191TA	5.080	7.380	1.000000	1.000000	9.0151	9.132	I191TA
I193TB	-5.274	-7.697	1.000000	1.000000	-9.4009	-9.210	I193TB
I195TC	2.553	3.733	1.000000	1.000000	4.5577	4.743	I195TC
I197DH	0.000	0.000	0.000-00	0.000-00	0.0000	0.001	I197DH
I200DS	3.243	4.547	0.960463	0.960463	21.4120	21.415	I200DS
I205DS	3.243	4.690	0.990605	0.990605	22.0887	22.150	I205DS
I209TA	0.661	0.917	1.000000	1.000000	1.1208	1.250	I209TA
I210TB	-4.269	-6.176	1.000000	1.000000	-7.5441	-7.499	I210TB
I211TC	5.437	7.913	1.000000	1.000000	9.6652	9.775	I211TC
----- Segment 7 -----							
I216TA	5.437	7.913	1.000000	1.000000	9.6652	9.712	I216TA
I217TB	-4.269	-6.176	1.000000	1.000000	-7.5441	-7.370	I217TB
I218TC	0.661	0.917	1.000000	1.000000	1.1208	1.121	I218TC
I223DS	-3.243	-4.644	0.980888	0.980888	-21.8703	-21.868	I223DS
I228DS	-3.243	-4.562	0.963730	0.963730	-21.4853	-21.364	I228DS
I231DH	0.000	0.000	0.000-00	0.000-00	0.0000	-0.021	I231DH
I232TA	-0.986	-1.359	1.000000	1.000000	-1.6617	-1.582	I232TA
I234TB	2.856	4.109	1.000000	1.000000	5.0161	4.978	I234TB
I236TC	-3.303	-4.805	1.000000	1.000000	-5.8685	-5.880	I236TC
I241TA	2.237	3.267	1.000000	1.000000	3.9892	4.070	I241TA
I243TB	-1.550	-1.812	0.800000	0.800000	-2.2140	-2.059	I243TB
I245TC	0.861	1.258	1.000000	1.000000	1.5384	1.649	I245TC
----- Segment 8 -----							

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I256QA	-5.847	-8.310	0.633000	0.633000	-23.4714	-23.434	I256QA
I258QB	3.603	5.718	0.707000	0.707000	22.7594	22.726	I258QB
I265DS	3.559	7.959	0.996069	0.996069	150.3388	150.616	I265DS
I269DS	3.559	7.996	1.000699	1.000699	151.1515	150.973	I269DS

MagName	Ref [kG]	BSet [kG]	Ratio	(live)	Set [A]	Read [A]	DEVI
Z021SX	0.000	0.000	1.000000	1.000000	0.0002	0.063	Z021SX
Z031SX	0.400	0.584	1.000000	1.000000	9.4435	9.463	Z031SX
Z033SX	-0.324	-0.473	1.000000	1.000000	-7.6495	-7.628	Z033SX
Z035SX	0.000	0.000	1.000000	1.000000	0.0002	0.063	Z035SX
Z039SX	0.000	0.000	1.000000	1.000000	0.0002	0.002	Z039SX
Z041SX	-0.324	-0.473	1.000000	1.000000	-7.6495	-7.628	Z041SX
Z043SX	0.400	0.584	1.000000	1.000000	9.4435	9.463	Z043SX
Z053SX	0.013	0.019	1.000000	1.000000	0.3025	0.307	Z053SX
Z066SX	0.014	0.021	1.000000	1.000000	0.3403	0.368	Z066SX
Z076SX	0.440	0.642	1.000000	1.000000	10.3875	10.439	Z076SX
Z078SX	-0.316	-0.461	1.000000	1.000000	-7.4606	-7.444	Z078SX
Z080SX	0.000	0.000	1.000000	1.000000	0.0002	0.063	Z080SX
Z084SX	0.000	0.000	1.000000	1.000000	0.0002	0.063	Z084SX
Z086SX	-0.316	-0.461	1.000000	1.000000	-7.4606	-7.567	Z086SX
Z088SX	0.440	0.642	1.000000	1.000000	10.3875	10.378	Z088SX
Z098SX	0.000	0.000	1.000000	1.000000	0.0002	0.002	Z098SX
I257SX	0.000	0.000	1.000000	0.000-00	0.0000	-0.008	I257SX

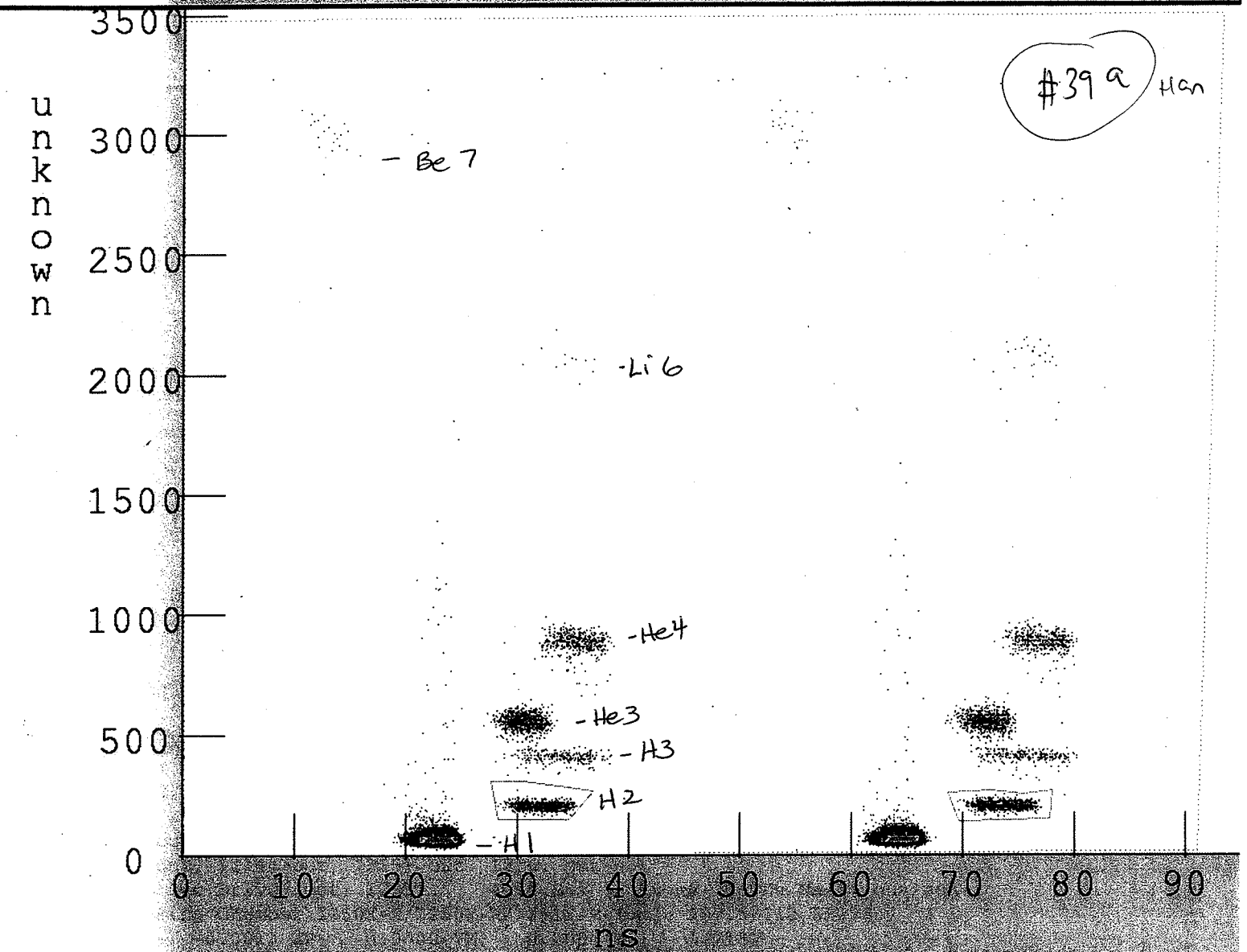
Z021MC	0.000	0.000	1.000000	1.000000	0.0002	0.037	Z021MC
Z031MC	0.000	0.000	1.000000	1.000000	0.0002	0.037	Z031MC
Z033MC	-0.240	-0.350	1.000000	1.000000	-4.2385	-4.211	Z033MC
Z035MC	0.000	0.000	1.000000	1.000000	0.0002	0.000	Z035MC
Z039MC	0.000	0.000	1.000000	1.000000	0.0002	0.013	Z039MC
Z041MC	-0.240	-0.350	1.000000	1.000000	-4.2385	-4.199	Z041MC
Z043MC	0.000	0.000	1.000000	1.000000	0.0002	0.013	Z043MC
Z053MC	0.000	0.000	1.000000	1.000000	0.0002	0.000	Z053MC
Z066MC	0.000	0.000	1.000000	1.000000	0.0002	0.013	Z066MC
Z076MC	0.000	0.000	1.000000	1.000000	0.0002	0.000	Z076MC
Z078MC	-0.240	-0.350	1.000000	1.000000	-4.2385	-4.211	Z078MC
Z080MC	0.000	0.000	1.000000	1.000000	0.0002	0.037	Z080MC
Z084MC	0.000	0.000	1.000000	1.000000	0.0002	0.000	Z084MC
Z086MC	-0.240	-0.350	1.000000	1.000000	-4.2385	-4.211	Z086MC
Z088MC	0.000	0.000	1.000000	1.000000	0.0002	0.025	Z088MC
Z098MC	0.000	0.000	1.000000	1.000000	0.0002	0.025	Z098MC

BS=1.46 Tm correspond to 96.27 MeV proton
 1.25.0 MeV/u deuteron
 (focal plane slits)

Be 470 mg/cm² dpp = 1%

Run 6743 H-2 @ 25 MeV/u to A1900 focal plane with 10 mm gap

File Window Spectra Options Graph Objects Help



[80] PID::FP.PIN.E.VS.TOP.RE2 : 2 [0, 100 : 1000] X [0, 4096 : 1024] (A1900.TOP.RE2, A1900.FP.PIN.E)

Spectrum 80 X:66.34 Y:810.79 Counts: 0

Geometry Zoom Update All Expand Back On Display Update Selected InExpand Summing Region Band Display + Info Log Help Integrate Contour

rate (H2) ~ 932 pps/pnA
 (H1) ~ 72000 pps/pnA
 (H3) ~ 240 pps/pnA
 purity ~ ~~0.29~~ 1.29%
 ~ 95%
 ~ 0.3%

①

#399

A1900 "Print11Dec14_15h42.txt" Thursday 15:42:41 2014-12-11 A1900
 Moe_252 *** r6743 2H unwedged to FP 1.46 Tm ***
 Expt: 09084 "Comp. of Spec. Factors from (p,d) & KO" [J. Lee] Line: S800 [8]
 Beam: 36 Ar 7+ 13.06 MeV/nuc (K500) 18+ 150 MeV/nuc (K1200) Chpr off
 <Att 10k> ECR, Apertures: SUSI 150.0; 15.0; 15.0 mm SHVBI: 23.2400 kV
 K500 a,b: 618 A, 462 A K1200: 725 A, -229 A RF: 23.83840 MHz

A1900 Optics: L19S3I_Focus60x30HiRA.data

Seg	Rigidity	Field	Radius	(live)	Difference	(Field*Radius)
Seg 0:	3.66255 Tm					
Seg 1:	1.46000 Tm	0.47141 T	3.09683 m	3.09710 m	-0.00863 %	(1.45987 Tm)
Seg 2:	1.46000 Tm	0.47155 T	3.09601 m	3.09617 m	-0.00504 %	(1.45993 Tm)
Seg 3:	1.46000 Tm	0.47254 T	3.08985 m	3.08970 m	0.00496 %	(1.46007 Tm)
Seg 4:	1.46000 Tm	0.47220 T	3.09184 m	3.09193 m	-0.00292 %	(1.45996 Tm)
Seg 5:	1.59500 Tm					
Seg 6:	1.59500 Tm					
Seg 7:	1.59500 Tm					
Seg 8:	2.24500 Tm					

A116DS	0.51130 T	3.11991 m	3.11950 m	0.01317 %
A132DS	-0.49470 T	3.22283 m	3.22418 m	-0.04176 %
A165DS	0.27225 T	5.85607 m	5.85859 m	-0.04298 %
I200DS	0.50160 T	3.17972 m	3.17982 m	-0.00314 %
I205DS	0.51782 T	3.08026 m	3.08022 m	0.00113 %
I223DS	0.51190 T	3.11612 m	3.11584 m	0.00897 %
I228DS	0.50389 T	3.16536 m	3.16537 m	-0.00037 %
I265DS	0.80102 T	2.80280 m	2.80268 m	0.00440 %
I269DS	0.80099 T	2.80280 m	2.80278 m	0.00066 %

Trim Coils: I265T (read) 65.40 (65.37) A; I269T 65.75 (65.73) A

Slits: I181 XC,G,YC,G: 76.19, 84.40; -77.39, 84.58

Z001TL: out, Z013TL: out; Z014TL out

Z015TL: Be 470, Z016TL out

Z030BC Beam Stop: -89.91 mm

Z037L,R: -16.00, 16.00 mm or -0.54, 0.54 width= 1.08 %; Z037DC: out

Z057MS: 1%, Z061MS: out

Z059DC: out, Z062SC: out, Z059TL: out

Z082 XC,G,YG: 0.16, 203.64, 202.16 mm Z082TL: out

Z103DC: PPACs, Z106DC: PIN 513 um, Z107DC_U/_L: out/scintillator

Z104DC-R -0.006 mm; .IRPOS 0; .STR1 115um BC400 #045

Z105TL: out, Slits: ; PPACs: ; Z107 outlim: Y ~~YC, XG~~

Z104 XC,G;YC,G: ~~-22.32, -54.67, 0, 101~~ 0.04, 79.93 mm

Slits: I181 XC,G,YC,G: 76.19, 84.40; -77.39, 84.58

I187: out, I188: out, I189: out, I190: out

I213: out, i214: out, I215: out, I216: out

I214DC Det Drive: out; I255T: 4.90 B: 3.20 mm; Up/Dn Mask: out/out

Scattering Chamber I250X-R/I250Y-R/I251Y-R [mm]: 107.5/112.0/236.7

I259XM: -0.0013 XP: 0.0000 YM: 0.0000 YP: 1.7182

MagName	Ref[kG]	BSet[kG]	Ratio	(live)	Set[A]	Read[A]	DEVI
Z001DV	0.000	-0.691	-18873.31	-18873.31	-300.0000	-300.398	Z001DV
Z002DH	0.000	-1.328	-36262.78	-36262.78	-3.2383	-3.172	Z002DH
Z003DV	0.000	0.864	23686.37	23600.43	2.0942	2.138	Z003DV
Z004QA	1.685	6.172	1.000000	1.000000	4.3129	4.322	Z004QA
Z005QB	-0.414	-1.516	1.000000	1.000000	-1.0580	-1.037	Z005QB
Z008DS	2.492	8.953	0.980957	0.980957	29.9577	30.093	Z008DS
Z011QA	-2.322	-8.931	1.050000	1.050000	-6.2469	-6.189	Z011QA
Z012QB	3.409	15.982	1.280000	1.280000	11.6768	11.609	Z012QB

----- Segment 1 -----

Z017TA	3.539	5.466	1.057000	1.057000	14.3594	14.467	Z017TA
Z019TB	-3.322	-4.902	1.010000	1.010000	-12.8988	-12.877	Z019TB
Z021TC	2.407	3.667	1.043000	1.043000	7.6664	7.692	Z021TC
Z026DS	3.226	4.661	0.989611	0.989611	28.4768	28.199	Z026DS

(2)

Z031TA	2.926	4.276	1.000000	1.000000	8.9135	8.974	Z031TA
Z033TB	-3.613	-5.278	1.000000	1.000000	-15.3710	-15.379	Z033TB
Z035TC	3.183	4.652	1.000000	1.000000	9.6923	9.768	Z035TC
----- Segment 2 -----							
Z039TA	3.183	4.652	1.000000	1.000000	9.7104	9.768	Z039TA
Z041TB	-3.562	-5.204	1.000000	1.000000	-15.1907	-15.257	Z041TB
Z043TC	2.924	4.274	1.000000	1.000000	8.9148	8.974	Z043TC
Z048DS	-3.226	-4.796	1.018267	1.018267	-29.8309	-29.969	Z048DS
Z053TA	2.800	4.088	1.000000	1.000000	8.4974	8.486	Z053TA
Z055TB	-3.665	-5.358	1.000000	1.000000	-14.4383	-14.403	Z055TB
Z057TC	3.264	4.796	1.000000	1.000000	45.4185	45.183	Z057TC
----- Segment 3 -----							
Z062TA	3.264	4.796	1.000000	1.000000	45.6205	45.347	Z062TA
Z064TB	-3.665	-5.358	1.000000	1.000000	-14.4270	-14.403	Z064TB
Z066TC	2.800	4.088	1.000000	1.000000	8.5669	8.608	Z066TC
Z071DS	-3.226	-4.625	0.982079	0.982079	-28.7382	-28.895	Z071DS
Z076TA	2.924	4.274	1.000000	1.000000	8.9371	8.974	Z076TA
Z078TB	-3.562	-5.204	1.000000	1.000000	-15.2208	-15.135	Z078TB
Z080TC	3.183	4.652	1.000000	1.000000	9.7348	9.829	Z080TC
----- Segment 4 -----							
Z084TA	3.097	4.611	1.019000	1.019000	9.5996	9.707	Z084TA
Z086TB	-3.403	-4.942	0.994000	0.994000	-14.3221	-14.281	Z086TB
Z088TC	2.767	4.116	1.018000	1.018000	8.5622	8.547	Z088TC
Z093DS	3.226	4.673	0.992155	0.992155	28.5856	28.492	Z093DS
Z098TA	2.501	3.583	0.978000	0.978000	7.4860	7.387	Z098TA
Z100TB	-3.039	-4.283	0.965000	0.965000	-11.2675	-11.290	Z100TB
Z102TC	1.454	1.903	0.903000	0.903000	5.0016	5.007	Z102TC
----- Segment 5 -----							
A108TA	2.685	4.283	1.000000	1.000000	2.9898	3.013	A108TA
A110TB	-3.800	-6.013	0.992000	0.992000	-4.2011	-4.180	A110TB
A112TC	2.931	4.660	0.997000	0.997000	3.2543	3.265	A112TC
A116DS	3.220	5.043	0.982042	0.982042	43.2777	43.368	A116DS
A121QA	3.283	5.236	1.000000	1.000000	3.6573	3.667	A121QA
A123QB	-1.070	-1.707	1.000000	1.000000	-1.1915	-1.183	A123QB
A125QA	-2.328	-3.713	1.000000	1.000000	-2.5923	-2.600	A125QA
A127QB	2.765	4.410	1.000000	1.000000	3.0792	3.088	A127QB
A132DS	-3.125	-4.898	0.982707	0.982707	-42.0344	-41.987	A132DS
A136DV	0.000	0.000	0.000-00	0.000-00	0.0000	-0.002	A136DV
A139QA	-2.229	-3.555	1.000000	1.000000	-2.4817	-2.480	A139QA
A141QB	1.979	3.157	1.000000	1.000000	2.2038	2.210	A141QB
A145DH	0.000	0.000	0.000-00	0.000-00	0.0000	-0.000	A145DH
A157QA	-1.983	-3.163	1.000000	1.000000	-2.2080	-2.211	A157QA
A159QB	2.106	3.359	1.000000	1.000000	2.3449	2.336	A159QB
A165DS	1.708	2.718	0.997653	0.997653	23.3461	23.159	A165DS
I170DH	0.000	-0.014	-873.0923	-873.0923	-1.2558	-1.417	I170DH
I172QA	1.483	2.365	1.000000	1.000000	1.6505	1.643	I172QA
I174QB	-1.804	-2.877	1.000000	1.000000	-2.0085	-1.986	I174QB
I184QA	2.574	4.105	1.000000	1.000000	2.8659	2.871	I184QA
I186QB	-4.025	-6.420	1.000000	1.000000	-4.4864	-4.490	I186QB
----- Segment 6 -----							
I191TA	5.080	8.062	1.000000	1.000000	9.8463	9.955	I191TA
I193TB	-5.274	-8.408	1.000000	1.000000	-10.2707	-10.077	I193TB
I195TC	2.553	4.081	1.000000	1.000000	4.9811	5.167	I195TC
I197DH	0.000	0.000	0.000-00	0.000-00	0.0000	0.002	I197DH
I200DS	3.243	4.967	0.960463	0.960463	23.4113	23.420	I200DS
I205DS	3.243	5.123	0.990605	0.990605	24.1529	24.212	I205DS
I209TA	0.661	0.985	1.000000	1.000000	1.2047	1.334	I209TA
I210TB	-4.269	-6.728	1.000000	1.000000	-8.2192	-8.175	I210TB
I211TC	5.437	8.650	1.000000	1.000000	10.5694	10.671	I211TC
----- Segment 7 -----							

#399

(3)

#399

I216TA	5.437	8.650	1.000000	1.000000	10.5694	10.611	I216TA
I217TB	-4.269	-6.728	1.000000	1.000000	-8.2192	-8.036	I217TB
I218TC	0.661	0.985	1.000000	1.000000	1.2047	1.205	I218TC
I223DS	-3.243	-5.073	0.980888	0.980888	-23.9143	-23.921	I223DS
I228DS	-3.243	-4.984	0.963730	0.963730	-23.4918	-23.371	I228DS
I231DH	0.000	0.000	0.000-00	0.000-00	0.0000	-0.019	I231DH
I232TA	-0.986	-1.461	1.000000	1.000000	-1.7855	-1.719	I232TA
I234TB	2.856	4.471	1.000000	1.000000	5.4591	5.420	I234TB
I236TC	-3.303	-5.245	1.000000	1.000000	-6.4063	-6.413	I236TC
I241TA	2.237	3.570	1.000000	1.000000	4.3582	4.431	I241TA
I243TB	-1.550	-1.979	0.800000	0.800000	-2.4189	-2.263	I243TB
I245TC	0.861	1.375	1.000000	1.000000	1.6811	1.817	I245TC

Segment 8

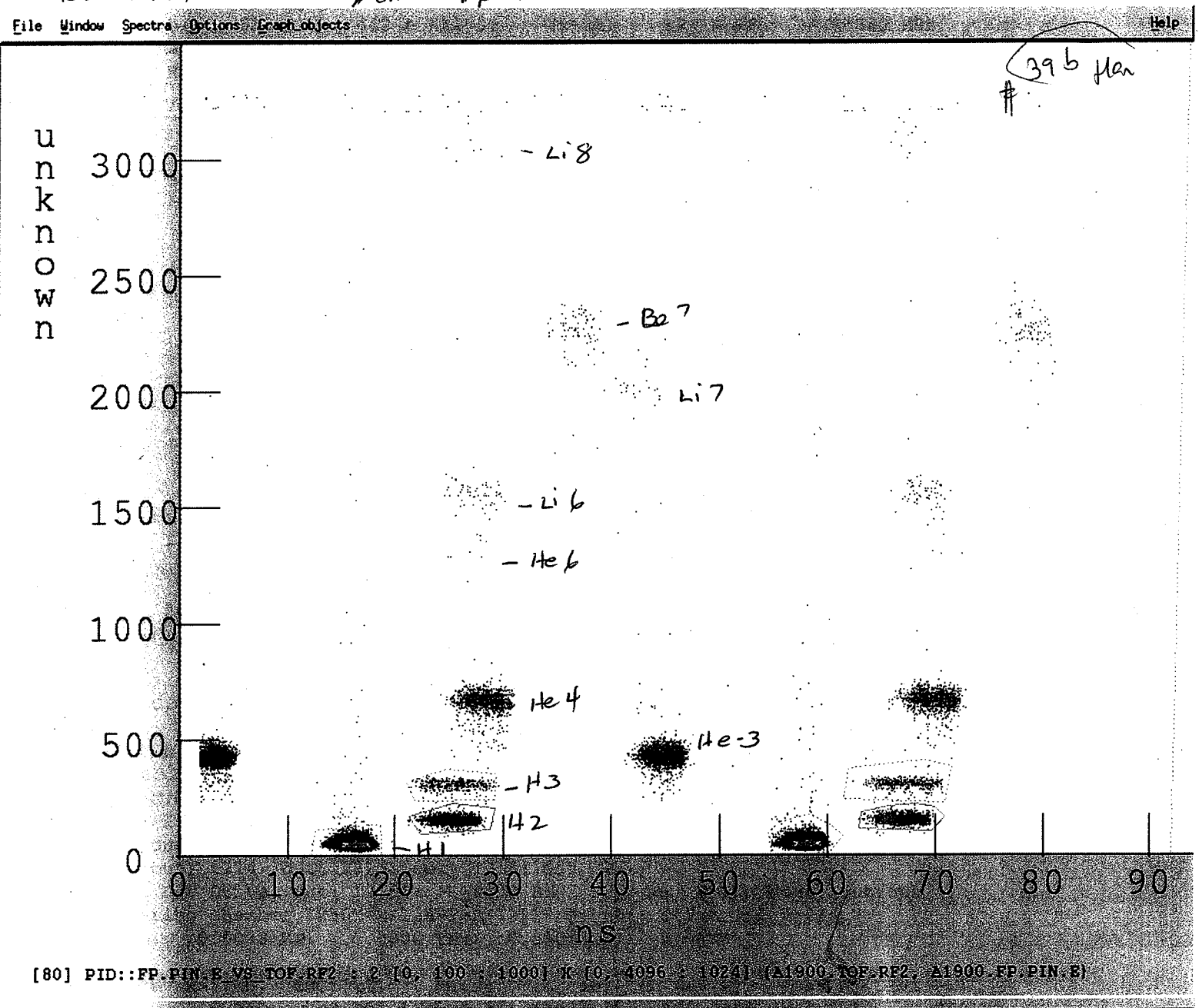
I256QA	-5.847	-8.310	0.633000	0.633000	-23.4714	-23.430	I256QA
I258QB	3.603	5.718	0.707000	0.707000	22.7594	22.726	I258QB
I265DS	3.559	7.959	0.996069	0.996069	150.3388	150.634	I265DS
I269DS	3.559	7.996	1.000699	1.000699	151.1515	150.973	I269DS

MagName	Ref[kG]	BSet[kG]	Ratio	(live)	Set[A]	Read[A]	DEVI
Z021SX	0.000	0.000	1.000000	1.000000	0.0002	0.063	Z021SX
Z031SX	0.400	0.584	1.000000	1.000000	9.4435	9.463	Z031SX
Z033SX	-0.324	-0.473	1.000000	1.000000	-7.6495	-7.628	Z033SX
Z035SX	0.000	0.000	1.000000	1.000000	0.0002	0.002	Z035SX
Z039SX	0.000	0.000	1.000000	1.000000	0.0002	0.063	Z039SX
Z041SX	-0.324	-0.473	1.000000	1.000000	-7.6495	-7.628	Z041SX
Z043SX	0.400	0.584	1.000000	1.000000	9.4435	9.463	Z043SX
Z053SX	0.013	0.019	1.000000	1.000000	0.3025	0.368	Z053SX
Z066SX	0.014	0.021	1.000000	1.000000	0.3403	0.429	Z066SX
Z076SX	0.440	0.642	1.000000	1.000000	10.3875	10.500	Z076SX
Z078SX	-0.316	-0.461	1.000000	1.000000	-7.4606	-7.444	Z078SX
Z080SX	0.000	0.000	1.000000	1.000000	0.0002	0.002	Z080SX
Z084SX	0.000	0.000	1.000000	1.000000	0.0002	0.063	Z084SX
Z086SX	-0.316	-0.461	1.000000	1.000000	-7.4606	-7.567	Z086SX
Z088SX	0.440	0.642	1.000000	1.000000	10.3875	10.378	Z088SX
Z098SX	0.000	0.000	1.000000	1.000000	0.0002	0.002	Z098SX
I257SX	0.000	0.000	1.000000	0.000-00	0.0000	-0.008	I257SX
Z021MC	0.000	0.000	1.000000	1.000000	0.0002	0.025	Z021MC
Z031MC	0.000	0.000	1.000000	1.000000	0.0002	0.025	Z031MC
Z033MC	-0.240	-0.350	1.000000	1.000000	-4.2385	-4.211	Z033MC
Z035MC	0.000	0.000	1.000000	1.000000	0.0002	0.013	Z035MC
Z039MC	0.000	0.000	1.000000	1.000000	0.0002	0.013	Z039MC
Z041MC	-0.240	-0.350	1.000000	1.000000	-4.2385	-4.211	Z041MC
Z043MC	0.000	0.000	1.000000	1.000000	0.0002	0.013	Z043MC
Z053MC	0.000	0.000	1.000000	1.000000	0.0002	0.000	Z053MC
Z066MC	0.000	0.000	1.000000	1.000000	0.0002	0.025	Z066MC
Z076MC	0.000	0.000	1.000000	1.000000	0.0002	0.013	Z076MC
Z078MC	-0.240	-0.350	1.000000	1.000000	-4.2385	-4.199	Z078MC
Z080MC	0.000	0.000	1.000000	1.000000	0.0002	0.025	Z080MC
Z084MC	0.000	0.000	1.000000	1.000000	0.0002	0.000	Z084MC
Z086MC	-0.240	-0.350	1.000000	1.000000	-4.2385	-4.211	Z086MC
Z088MC	0.000	0.000	1.000000	1.000000	0.0002	0.025	Z088MC
Z098MC	0.000	0.000	1.000000	1.000000	0.0002	0.025	Z098MC

5

A1900 focal plane slits = 10mm

Run 6744 Be 470mg/cm² d/p = 1% H2 to A1900 focal plane @ 35 MeV/u



Spectrum 80 1/22/83 17:06:59 Counts 10

Geometry F Zoom

Display

Display +

Update All Expand Marker Log

Update Selected H Expand Simulated Region Panel

Info Log Tap Integrate Contour

rate(H2) ~ 2660 pps/pnA purity ~ 3.9 %
 (H1) ~ 58,300 pps/pnA ~ 86.9 %
 (H3) ~ 496 pps/pnA ~ 0.7 %

①

Jan

#395

A) 900 "Print11Dec14_16h08.txt" Thursday 16:08:26 2014-12-11 A1900

Mjoe_252 *** r6744 2H unwedged to FP 1.73 Tm ***

Expt: 09084 "Comp. of Spec. Factors from (p,d) & KO" [J. Lee] Line: S800 [8]

Beam: 36 Ar 7+ 13.06 MeV/nuc (K500) 18+ 150 MeV/nuc (K1200) Chpr off

<Att 10k> ECR, Apertures: SUSI 150.0; 15.0; 15.0 mm SHVBI: 23.2400 kV

K500 a,b: 618 A, 462 A K1200: 725 A, -229 A RF: 23.83840 MHz

A1900 Optics: L19S3I_Focus60x30HiRA.data

Segment	Rigidity	Field	Radius	(live)	Difference	(Field*Radius)
Seg 0:	3.66255 Tm					
Seg 1:	1.73000 Tm	0.55861 T	3.09683 m	3.09699 m	-0.00515 %	(1.72991 Tm)
Seg 2:	1.73000 Tm	0.55878 T	3.09601 m	3.09603 m	-0.00072 %	(1.72999 Tm)
Seg 3:	1.73000 Tm	0.55993 T	3.08985 m	3.08966 m	0.00613 %	(1.73011 Tm)
Seg 4:	1.73000 Tm	0.55952 T	3.09184 m	3.09193 m	-0.00310 %	(1.72995 Tm)
Seg 5:	1.59500 Tm					
Seg 6:	1.59500 Tm					
Seg 7:	1.59500 Tm					
Seg 8:	2.24500 Tm					
A116DS		0.51130 T	3.11991 m	3.11950 m	0.01317 %	
A132DS		-0.49470 T	3.22283 m	3.22418 m	-0.04176 %	
A165DS		0.27225 T	5.85607 m	5.85859 m	-0.04298 %	
I200DS		0.50158 T	3.17972 m	3.17995 m	-0.00713 %	
I205DS		0.51779 T	3.08026 m	3.08040 m	-0.00467 %	
I223DS		0.51190 T	3.11612 m	3.11584 m	0.00897 %	
I228DS		0.50389 T	3.16536 m	3.16537 m	-0.00037 %	
I265DS		0.80102 T	2.80280 m	2.80268 m	0.00440 %	
I269DS		0.80099 T	2.80280 m	2.80278 m	0.00066 %	

Trim Coils: I265T (read) 65.40 (65.36) A; I269T 65.75 (65.73) A
 Slits: I181 XC,G,YC,G: 76.19, 84.40; -77.36, 84.53
 Z001TL: out, Z013TL: out; Z014TL out
 Z015TL: Be 470, Z016TL out
 Z030BC Beam Stop: -89.91 mm
 Z037L,R: -16.00, 16.00 mm or -0.54, 0.54 width= 1.08 %; Z037DC: out
 Z057MS: 1%, Z061MS: out
 Z059DC: out, Z062SC: out, Z059TL: out
 Z082 XC,G,YG: 0.16, 203.64, 202.16 mm Z082TL: out
 Z103DC: PPACs, Z106DC: PIN 513 um, Z107DC_U/_L: out/scintillator
 Z104DC-R -0.006 mm; .IRPOS 0; .STR1 115um BC400 #045
 Z105TL: out, Slits: ; PPACs: ; Z107 outlim: Y
 Z104 XC,G,YC,G: -22.32, 54.67; -0.04, 79.93 mm
 Slits: I181 XC,G,YC,G: ~~76.19, 84.40, -77.36, 84.53~~ 0, 10; = 7C, 7G
 I187: out, I188: out, I189: out, I190: out
 I213: out, i214: out, I215: out, I216: out
 I214DC Det Drive: out; I255T: 4.90 B: 3.19 mm; Up/Dn Mask: out/out
 Scattering Chamber I250X-R/I250Y-R/I251Y-R [mm]: 107.5/112.0/236.7
 I259XM: 0.0038 XP: 0.0000 YM: 0.0000 YP: 1.7182

MagName	Ref[kG]	BSet[kG]	Ratio	(live)	Set[A]	Read[A]	DEVI
Z001DV	0.000	-0.691	-18873.31	-18873.31	-300.0000	-300.511	Z001DV
Z002DH	0.000	-1.328	-36262.78	-36262.78	-3.2383	-3.172	Z002DH
Z003DV	0.000	0.864	23686.37	23600.43	2.0942	2.138	read Z003DV
Z004QA	1.685	6.172	1.000000	1.000000	4.3129	4.310	Z004QA
Z005QB	-0.414	-1.516	1.000000	1.000000	-1.0580	-1.037	Z005QB
Z008DS	2.492	8.953	0.980957	0.980957	29.9577	30.032	Z008DS
Z011QA	-2.322	-8.931	1.050000	1.050000	-6.2469	-6.189	Z011QA
Z012QB	3.409	15.982	1.280000	1.280000	11.6768	11.622	Z012QB
----- Segment 1 -----							
Z017TA	3.539	6.481	1.057000	1.057000	17.0133	17.092	Z017TA
Z019TB	-3.322	-5.812	1.010000	1.010000	-15.2907	-15.318	Z019TB
Z021TC	2.407	4.347	1.043000	1.043000	9.1022	9.157	Z021TC
Z026DS	3.226	5.524	0.989870	0.989870	33.7887	33.497	Z026DS

2

400
Z03 ITA

#39b

Z03TA	2.926	5.069	1.000000	1.000000	10.6168	10.683	Z031TA
Z03TB	-3.613	-6.258	1.000000	1.000000	-18.1443	-18.187	Z033TB
Z035TC	3.183	5.517	1.000000	1.000000	11.6339	11.721	Z035TC
----- Segment 2 -----							
Z039TA	3.183	5.517	1.000000	1.000000	11.5440	11.599	Z039TA
Z041TB	-3.562	-6.170	1.000000	1.000000	-17.9083	-17.943	Z041TB
Z043TC	2.924	5.069	1.000000	1.000000	10.5837	10.622	Z043TC
Z048DS	-3.226	-5.669	1.015839	1.015839	-35.3305	-35.450	Z048DS
Z053TA	2.800	4.846	1.000000	1.000000	10.1475	10.134	Z053TA
Z055TB	-3.665	-6.354	1.000000	1.000000	-17.1210	-17.088	Z055TB
Z057TC	3.264	5.703	1.000000	1.000000	53.8224	53.587	Z057TC
----- Segment 3 -----							
Z062TA	3.264	5.703	1.000000	1.000000	54.3079	54.109	Z062TA
Z064TB	-3.665	-6.354	1.000000	1.000000	-17.1140	-17.088	Z064TB
Z066TC	2.800	4.846	1.000000	1.000000	10.1541	10.195	Z066TC
Z071DS	-3.226	-5.493	0.984274	0.984274	-34.1103	-34.266	Z071DS
Z076TA	2.924	5.069	1.000000	1.000000	10.6365	10.683	Z076TA
Z078TB	-3.562	-6.170	1.000000	1.000000	-17.9413	-17.821	Z078TB
Z080TC	3.183	5.517	1.000000	1.000000	11.5573	11.538	Z080TC
----- Segment 4 -----							
Z084TA	3.097	5.469	1.019000	1.019000	11.4907	11.660	Z084TA
Z086TB	-3.403	-5.860	0.994000	0.994000	-16.9758	-16.905	Z086TB
Z088TC	2.767	4.881	1.018000	1.018000	10.1901	10.134	Z088TC
Z093DS	3.226	5.547	0.993898	0.993898	33.9392	33.851	Z093DS
Z098TA	2.501	4.246	0.978000	0.978000	8.8710	8.791	Z098TA
Z100TB	-3.039	-5.079	0.965000	0.965000	-13.3592	-13.365	Z100TB
Z102TC	1.454	2.259	0.903000	0.903000	5.9370	5.922	Z102TC
----- Segment 5 -----							
A108TA	2.685	4.283	1.000000	1.000000	2.9898	3.012	A108TA
A110TB	-3.800	-6.013	0.992000	0.992000	-4.2011	-4.180	A110TB
A112TC	2.931	4.660	0.997000	0.997000	3.2543	3.265	A112TC
A116DS	3.220	5.043	0.982042	0.982042	43.2777	43.368	A116DS
A121QA	3.283	5.236	1.000000	1.000000	3.6573	3.669	A121QA
A123QB	-1.070	-1.707	1.000000	1.000000	-1.1915	-1.181	A123QB
A125QA	-2.328	-3.713	1.000000	1.000000	-2.5923	-2.598	A125QA
A127QB	2.765	4.410	1.000000	1.000000	3.0792	3.092	A127QB
A132DS	-3.125	-4.898	0.982707	0.982707	-42.0344	-41.975	A132DS
A136DV	0.000	0.000	0.000-00	0.000-00	0.0000	-0.001	A136DV
A139QA	-2.229	-3.555	1.000000	1.000000	-2.4817	-2.481	A139QA
A141QB	1.979	3.157	1.000000	1.000000	2.2038	2.211	A141QB
A145DH	0.000	0.000	0.000-00	0.000-00	0.0000	0.001	A145DH
A157QA	-1.983	-3.163	1.000000	1.000000	-2.2080	-2.208	A157QA
A159QB	2.106	3.359	1.000000	1.000000	2.3449	2.340	A159QB
A165DS	1.708	2.718	0.997653	0.997653	23.3461	23.171	A165DS
I170DH	0.000	-0.014	-873.0923	-873.0923	-1.2558	-1.407	I170DH
I172QA	1.483	2.365	1.000000	1.000000	1.6505	1.646	I172QA
I174QB	-1.804	-2.877	1.000000	1.000000	-2.0085	-1.989	I174QB
I184QA	2.574	4.105	1.000000	1.000000	2.8659	2.876	I184QA
I186QB	-4.025	-6.420	1.000000	1.000000	-4.4864	-4.485	I186QB
----- Segment 6 -----							
I191TA	5.080	8.062	1.000000	1.000000	9.8463	9.955	I191TA
I193TB	-5.274	-8.408	1.000000	1.000000	-10.2707	-10.074	I193TB
I195TC	2.553	4.081	1.000000	1.000000	4.9811	5.170	I195TC
I197DH	0.000	0.000	0.000-00	0.000-00	0.0000	-0.001	I197DH
I200DS	3.243	4.967	0.960463	0.960463	23.4113	23.420	I200DS
I205DS	3.243	5.123	0.990605	0.990605	24.1529	24.212	I205DS
I209TA	0.661	0.985	1.000000	1.000000	1.2047	1.330	I209TA
I210TB	-4.269	-6.728	1.000000	1.000000	-8.2192	-8.175	I210TB
I211TC	5.437	8.650	1.000000	1.000000	10.5694	10.663	I211TC
----- Segment 7 -----							

(3)

Ham

I216TA	5.437	8.650	1.000000	1.000000	10.5694	10.611	I216TA
I217TB	-4.269	-6.728	1.000000	1.000000	-8.2192	-8.036	I217TB
I218TC	0.661	0.985	1.000000	1.000000	1.2047	1.201	I218TC
I223DS	-3.243	-5.073	0.980888	0.980888	-23.9143	-23.917	I223DS
I228DS	-3.243	-4.984	0.963730	0.963730	-23.4918	-23.367	I228DS
I231DH	0.000	0.000	0.000-00	0.000-00	0.0000	-0.022	I231DH
I232TA	-0.986	-1.461	1.000000	1.000000	-1.7855	-1.712	I232TA
I234TB	2.856	4.471	1.000000	1.000000	5.4591	5.427	I234TB
I236TC	-3.303	-5.245	1.000000	1.000000	-6.4063	-6.417	I236TC
I241TA	2.237	3.570	1.000000	1.000000	4.3582	4.438	I241TA
I243TB	-1.550	-1.979	0.800000	0.800000	-2.4189	-2.256	I243TB
I245TC	0.861	1.375	1.000000	1.000000	1.6811	1.790	I245TC

#395

Segment 8

I256QA	-5.847	-8.310	0.633000	0.633000	-23.4714	-23.434	I256QA
I258QB	3.603	5.718	0.707000	0.707000	22.7594	22.730	I258QB
I265DS	3.559	7.959	0.996069	0.996069	150.3388	150.616	I265DS
I269DS	3.559	7.996	1.000699	1.000699	151.1515	150.973	I269DS

MagName	Ref[kG]	BSet[kG]	Ratio	(live)	Set[A]	Read[A]	DEVI
Z021SX	0.000	0.000	1.000000	1.000000	0.0003	0.063	Z021SX
Z031SX	0.400	0.692	1.000000	1.000000	11.1898	11.233	Z031SX
Z033SX	-0.324	-0.561	1.000000	1.000000	-9.0639	-9.031	Z033SX
Z035SX	0.000	0.000	1.000000	1.000000	0.0003	0.063	Z035SX
Z039SX	0.000	0.000	1.000000	1.000000	0.0003	0.063	Z039SX
Z041SX	-0.324	-0.561	1.000000	1.000000	-9.0639	-9.031	Z041SX
Z043SX	0.400	0.692	1.000000	1.000000	11.1898	11.172	Z043SX
Z053SX	0.013	0.022	1.000000	1.000000	0.3584	0.429	Z053SX
Z066SX	0.014	0.025	1.000000	1.000000	0.4032	0.429	Z066SX
Z076SX	0.440	0.761	1.000000	1.000000	12.3087	12.392	Z076SX
Z078SX	-0.316	-0.547	1.000000	1.000000	-8.8399	-8.787	Z078SX
Z080SX	0.000	0.000	1.000000	1.000000	0.0003	0.063	Z080SX
Z084SX	0.000	0.000	1.000000	1.000000	0.0003	0.002	Z084SX
Z086SX	-0.316	-0.547	1.000000	1.000000	-8.8399	-8.909	Z086SX
Z088SX	0.440	0.761	1.000000	1.000000	12.3087	12.331	Z088SX
Z098SX	0.000	0.000	1.000000	1.000000	0.0003	0.002	Z098SX
I257SX	0.000	0.000	1.000000	0.000-00	0.0000	-0.008	I257SX
Z021MC	0.000	0.000	1.000000	1.000000	0.0002	0.013	Z021MC
Z031MC	0.000	0.000	1.000000	1.000000	0.0002	0.025	Z031MC
Z033MC	-0.240	-0.415	1.000000	1.000000	-5.0224	-4.968	Z033MC
Z035MC	0.000	0.000	1.000000	1.000000	0.0002	0.000	Z035MC
Z039MC	0.000	0.000	1.000000	1.000000	0.0002	0.013	Z039MC
Z041MC	-0.240	-0.415	1.000000	1.000000	-5.0224	-4.992	Z041MC
Z043MC	0.000	0.000	1.000000	1.000000	0.0002	0.013	Z043MC
Z053MC	0.000	0.000	1.000000	1.000000	0.0002	-0.012	Z053MC
Z066MC	0.000	0.000	1.000000	1.000000	0.0002	0.013	Z066MC
Z076MC	0.000	0.000	1.000000	1.000000	0.0002	0.000	Z076MC
Z078MC	-0.240	-0.415	1.000000	1.000000	-5.0224	-4.992	Z078MC
Z080MC	0.000	0.000	1.000000	1.000000	0.0002	0.025	Z080MC
Z084MC	0.000	0.000	1.000000	1.000000	0.0002	0.000	Z084MC
Z086MC	-0.240	-0.415	1.000000	1.000000	-5.0224	-4.992	Z086MC
Z088MC	0.000	0.000	1.000000	1.000000	0.0002	0.013	Z088MC
Z098MC	0.000	0.000	1.000000	1.000000	0.0002	0.013	Z098MC

4

*A Changed the Bp in Segment 8 to 2.1980.
the blocker was moved to 6.2 a.u.*

v. 1 Run #	387	Date:	12/12/14	Start:	00:30	Stop:	01:30
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS 10						
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: 193.5 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: 1843	I: 71 μ A	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: 1800	I: 59 μ A	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho: 2.1980		Vacuum: _____ e- torr		
Comments:	New Bp with new blocker position, 34Ar beam returned. blocker completely out.						

v. 1 Run #	388	Date:	12/12/14	Start:		Stop:	
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: 193.5 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	CRDC 1 Mask						

v. 1 Run #	389	Date:	12/12/14	Start:	01:50	Stop:	1:59
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	CRDC 2 Mask						

For Friday, list of things to do

- ① Need MCP mask calibrations for MCP1, need to increase ~~the~~ beam up. MCP0
- ② Need lower energy p.d.t calibration beams to get a different ~~to~~ calibration point
- ③ How to get a normalization point.
- ④ Check dead time circuit.
- ⑤ Find out what happens to missing runs

v. 1 Run #	390	Date:	12/12/14	Start:	1:59	Stop:	2:01
Your Name:	Juan	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions:		
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	Target	(I251Y-R)	
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:	_____	MCP 1 (DS)	(I250X-R)	
Comments:	S800 Singles						

- SWITCH TO (CH₂)_n 75 um
 (we want ³⁴Ar(p,t) ³²Ar)

v. 1 Run #	391	Date:	12/12/14	Start:	2:06	Stop:	3:30
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS10						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions:		
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	134.0 mm	Target	(I251Y-R)	
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	112 mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:	2.1980	MCP 1 (DS)	(I250X-R)	
Comments:	Data						

v. 1 Run # 392	Date: 12/12/14	Start: 3:38	Stop: 5:15
Your Name: Jun	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K)	<input checked="" type="checkbox"/> Sec.: DS 10
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> CSI	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: Data			

v. 1 Run # 393	Date: 12/12/14	Start: 5:19	Stop: 6:57
Your Name: Jun	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K)	<input checked="" type="checkbox"/> Sec.: DS 10
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> CSI	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: Data			

v. 1 Run # 394	Date: 12-12-14	Start: 6:58	Stop: 8:28
Your Name: Suwanat	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K)	<input type="checkbox"/> Sec.: DS 10
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> CSI	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: Data			

Run 395 * beam over 1e6/s *

Hand #43 a

Expt: 09084 "Comp. of Spec. Factors from (p,d) & K \bar{O} " [J. Lee] Line: S800 [8]
 Beam: 36 Ar 7+ 13.06 MeV/nuc (K500) 18+ 150 MeV/nuc (K1200) Chpr off
 <Att 1> ECR, Apertures: SUSI 150.0; 15.0; 15.0 mm SHVBI: 23.2400 kV
 K500 a,b: 618 A, 462 A K1200: 725 A, -229 A RF: 23.83840 MHz

A1900 Optics: L19S3I_Focus60x30HiRA.data

Seg	Rigidity	Field	Radius	(live)	Difference	(Field*Radius)
Seg 0:	3.66255 Tm					
Seg 1:	2.59270 Tm	0.83718 T	3.09683 m	3.09695 m	-0.00388 %	(2.59260 Tm)
Seg 2:	2.59270 Tm	0.83745 T	3.09601 m	3.09594 m	0.00215 %	(2.59276 Tm)
Seg 3:	2.35000 Tm	0.76059 T	3.08985 m	3.08972 m	0.00430 %	(2.35010 Tm)
Seg 4:	2.35000 Tm	0.76008 T	3.09184 m	3.09178 m	0.00176 %	(2.35004 Tm)
Seg 5:	2.33210 Tm					
Seg 6:	2.31120 Tm					
Seg 7:	2.31120 Tm					
Seg 8:	2.19800 Tm					

A116DS	0.74740 T	3.11991 m	3.12028 m	-0.01197 %
A132DS	-0.72380 T	3.22283 m	3.22202 m	0.02506 %
A165DS	0.39820 T	5.85607 m	5.85660 m	-0.00917 %
I200DS	0.72682 T	3.17972 m	3.17988 m	-0.00487 %
I205DS	0.75024 T	3.08026 m	3.08061 m	-0.01164 %
I223DS	0.74159 T	3.11612 m	3.11655 m	-0.01362 %
I228DS	0.72995 T	3.16536 m	3.16624 m	-0.02788 %
I265DS	0.78400 T	2.80280 m	2.80357 m	-0.02752 %
I269DS	0.78438 T	2.80280 m	2.80221 m	0.02094 %

Trim Coils: I265T (read) 63.90 (63.86) A; I269T 64.28 (64.28) A
 Slits: I181 XC,G,YC,G: 76.21, 84.45; -77.39, 84.58
 Z001TL: out, Z013TL: out; Z014TL out
 Z015TL: Be 1222, Z016TL out
 Z030BC Beam Stop: -89.91 mm
 Z037L,R: -20.00, 20.00 mm or -0.68, 0.68 width= 1.36 %; Z037DC: out
 Z057MS: 1%, Z061MS: 0.5%
 Z059DC: out, Z062SC: out, Z059TL: Al 240
 Z082 XC,G,YG: 0.16, 203.64, 202.05 mm Z082TL: out
 Z103DC: out, Z106DC: out, Z107DC U/L: out/out
 Z104DC-R -112.998 mm; .IRPOS 0; .STR1 115um BC400 #045
 Z105TL: out, Slits: ; PPACs: ; Z107 outlim: Y
 Z104 XC,G,YC,G: -22.32, 54.67; -0.04, 79.93 mm
 Slits: I181 XC,G,YC,G: 76.21, 84.45; -77.39, 84.58
 I187: BC-400 #55 132 um, I188: out, I189: out, I190: out
 I213: out, i214: out, I215: out, I216: out
 I214DC Det Drive: out; I255T: 6.20 B: 3.20 mm; Up/Dn Mask: out/out
 Scattering Chamber I250X-R/I250Y-R/I251Y-R [mm]: 107.5/112.0/134.0
 I259XM: -0.0013 XP: 0.0000 YM: 0.0000 YP: 1.7232

MagName	Ref [kG]	BSet [kG]	Ratio	(live)	Set [A]	Read [A]	DEVI
Z001DV	0.000	-0.691	-18873.31	-18873.31	-300.0000	-300.311	Z001DV
Z002DH	0.000	-1.328	-36262.78	-36262.78	-3.2383	-3.172	Z002DH
Z003DV	0.000	0.864	23686.37	23600.43	2.0942	2.077	Z003DV
Z004QA	1.685	6.172	1.000000	1.000000	4.3129	4.310	Z004QA
Z005QB	-0.414	-1.516	1.000000	1.000000	-1.0580	-1.037	Z005QB
Z008DS	2.492	8.953	0.980957	0.980957	29.9577	30.093	Z008DS
Z011QA	-2.322	-8.931	1.050000	1.050000	-6.2469	-6.189	Z011QA
Z012QB	3.409	15.982	1.280000	1.280000	11.6768	11.597	Z012QB
----- Segment 1 -----							
Z017TA	3.539	9.740	1.057000	1.057000	25.5379	25.637	Z017TA
Z019TB	-3.322	-8.726	1.010000	1.010000	-22.9626	-23.009	Z019TB
Z021TC	2.407	6.520	1.043000	1.043000	13.6700	13.735	Z021TC
Z026DS	3.226	8.289	0.991050	0.991050	50.9199	50.649	Z026DS

Z031TA	2.926	7.617	1.000000	1.000000	15.9652	16.054	Z031TA
Z033TB	-3.613	-9.401	1.000000	1.000000	-27.1863	-27.281	Z033TB
Z035TC	3.183	8.294	1.000000	1.000000	17.4098	17.458	Z035TC

Segment 2

Z039TA	3.183	8.294	1.000000	1.000000	17.3398	17.397	Z039TA
Z041TB	-3.562	-9.267	1.000000	1.000000	-26.7866	-26.854	Z041TB
Z043TC	2.924	7.613	1.000000	1.000000	15.8967	15.993	Z043TC
Z048DS	-3.226	-8.440	1.009197	1.009197	-53.0352	-53.188	Z048DS
Z053TA	2.800	7.263	1.000000	1.000000	15.2564	15.261	Z053TA
Z055TB	-3.665	-9.556	1.000000	1.000000	-25.7754	-25.694	Z055TB
Z057TC	3.264	8.657	1.000000	1.000000	83.2387	83.059	Z057TC

Segment 3

Z062TA	3.264	7.817	1.000000	1.000000	75.0464	74.847	Z062TA
Z064TB	-3.665	-8.652	1.000000	1.000000	-23.3133	-23.253	Z064TB
Z066TC	2.800	6.583	1.000000	1.000000	13.7875	13.796	Z066TC
Z071DS	-3.226	-7.501	0.989504	0.989504	-46.5058	-46.669	Z071DS
Z076TA	2.924	6.895	1.000000	1.000000	14.4863	14.528	Z076TA
Z078TB	-3.562	-8.393	1.000000	1.000000	-24.2908	-24.168	Z078TB
Z080TC	3.183	7.510	1.000000	1.000000	15.7270	15.749	Z080TC

Segment 4

Z084TA	3.097	7.446	1.019000	1.019000	15.6451	15.749	Z084TA
Z086TB	-3.403	-7.971	0.994000	0.994000	-23.0915	-23.070	Z086TB
Z088TC	2.767	6.642	1.018000	1.018000	13.8900	13.857	Z088TC
Z093DS	3.226	7.562	0.997538	0.997538	46.3022	46.254	Z093DS
Z098TA	2.501	5.788	0.978000	0.978000	12.0982	12.026	Z098TA
Z100TB	-3.039	-6.911	0.965000	0.965000	-18.1788	-18.187	Z100TB
Z102TC	1.454	3.071	0.903000	0.903000	8.0687	8.120	Z102TC

Segment 5

A108TA	2.685	6.262	1.000000	1.000000	4.3754	4.395	A108TA
A110TB	-3.800	-8.791	0.992000	0.992000	-6.1485	-6.125	A110TB
A112TC	2.931	6.814	0.997000	0.997000	4.7618	4.758	A112TC
A116DS	3.220	7.414	0.987390	0.987390	63.6905	63.837	A116DS
A121QA	3.283	7.656	1.000000	1.000000	5.3510	5.361	A121QA
A123QB	-1.070	-2.496	1.000000	1.000000	-1.7419	-1.732	A123QB
A125QA	-2.328	-5.429	1.000000	1.000000	-3.7929	-3.797	A125QA
A127QB	2.765	6.448	1.000000	1.000000	4.5060	4.520	A127QB
A132DS	-3.125	-7.214	0.989958	0.989958	-61.9513	-61.919	A132DS
A136DV	0.000	0.000	0.000-00	0.000-00	0.0000	-0.002	A136DV
A139QA	-2.229	-5.197	1.000000	1.000000	-3.6305	-3.634	A139QA
A141QB	1.979	4.615	1.000000	1.000000	3.2228	3.228	A141QB
A145DH	0.000	0.000	0.000-00	0.000-00	0.0000	0.000	A145DH
A157QA	-1.983	-4.624	1.000000	1.000000	-3.2290	-3.228	A157QA
A159QB	2.106	4.911	1.000000	1.000000	3.4296	3.422	A159QB
A165DS	1.708	3.997	1.003421	1.003421	34.3356	34.123	A165DS
I170DH	0.000	-0.020	-873.0923	-873.0923	-1.8687	-2.070	I170DH
I172QA	1.483	3.458	1.000000	1.000000	2.4144	2.407	I172QA
I174QB	-1.804	-4.207	1.000000	1.000000	-2.9371	-2.917	I174QB
I184QA	2.574	6.002	1.000000	1.000000	4.1939	4.206	I184QA
I186QB	-4.025	-9.387	1.000000	1.000000	-6.5682	-6.564	I186QB

Segment 6

I191TA	5.080	11.764	1.000000	1.000000	14.4417	14.553	I191TA
I193TB	-5.274	-12.283	1.000000	1.000000	-15.1015	-14.910	I193TB
I195TC	2.553	5.895	1.000000	1.000000	7.1999	7.381	I195TC
I197DH	0.000	0.000	0.000-00	0.000-00	0.0000	-0.002	I197DH
I200DS	3.243	7.219	0.963293	0.963293	34.1046	34.111	I200DS
I205DS	3.243	7.450	0.994046	0.994046	35.1969	35.263	I205DS
I209TA	0.661	1.435	1.000000	1.000000	1.7545	1.881	I209TA
I210TB	-4.269	-9.783	1.000000	1.000000	-11.9691	-11.927	I210TB
I211TC	5.437	12.660	1.000000	1.000000	15.5848	15.674	I211TC

Segment 7

#43C

I216TA	5.437	12.660	1.000000	1.000000	15.5848	15.615	I216TA
I217TB	-4.269	-9.783	1.000000	1.000000	-11.9691	-11.763	I217TB
I218TC	0.661	1.435	1.000000	1.000000	1.7545	1.753	I218TC
I223DS	-3.243	-7.371	0.983608	0.983608	-34.8262	-34.835	I223DS
I228DS	-3.243	-7.245	0.966780	0.966780	-34.2285	-34.091	I228DS
I231DH	0.000	0.000	0.000-00	0.000-00	0.0000	-0.021	I231DH
I232TA	-0.986	-2.133	1.000000	1.000000	-2.6065	-2.538	I232TA
I234TB	2.856	6.458	1.000000	1.000000	7.8893	7.838	I234TB
I236TC	-3.303	-7.613	1.000000	1.000000	-9.2984	-9.307	I236TC
I241TA	2.237	5.177	1.000000	1.000000	6.3228	6.392	I241TA
I243TB	-1.550	-2.865	0.800000	0.800000	-3.4989	-3.331	I243TB
I245TC	0.861	1.986	1.000000	1.000000	2.4270	2.529	I245TC

Segment 8

I256QA	-5.847	-8.136	0.633000	0.633000	-22.9784	-22.940	I256QA
I258QB	3.603	5.599	0.707000	0.707000	22.2381	22.213	I258QB
I265DS	3.559	7.788	0.995530	0.995530	146.9050	147.173	I265DS
I269DS	3.559	7.829	1.000699	1.000699	147.7771	147.594	I269DS

MagName	Ref [kG]	BSet [kG]	Ratio	(live)	Set [A]	Read [A]	DEVI
Z021SX	0.000	0.000	1.000000	1.000000	0.0004	0.063	Z021SX
Z031SX	0.400	1.037	1.000000	1.000000	16.7690	16.787	Z031SX
Z033SX	-0.324	-0.840	1.000000	1.000000	-13.5830	-13.548	Z033SX
Z035SX	0.000	0.000	1.000000	1.000000	0.0004	0.063	Z035SX
Z039SX	0.000	0.000	1.000000	1.000000	0.0004	0.063	Z039SX
Z041SX	-0.324	-0.840	1.000000	1.000000	-13.5830	-13.548	Z041SX
Z043SX	0.400	1.037	1.000000	1.000000	16.7690	16.787	Z043SX
Z053SX	0.013	0.033	1.000000	1.000000	0.5371	0.612	Z053SX
Z066SX	0.014	0.034	1.000000	1.000000	0.5477	0.612	Z066SX
Z076SX	0.440	1.034	1.000000	1.000000	16.7192	16.787	Z076SX
Z078SX	-0.316	-0.743	1.000000	1.000000	-12.0076	-11.961	Z078SX
Z080SX	0.000	0.000	1.000000	1.000000	0.0004	0.002	Z080SX
Z084SX	0.000	0.000	1.000000	1.000000	0.0004	0.063	Z084SX
Z086SX	-0.316	-0.743	1.000000	1.000000	-12.0076	-12.083	Z086SX
Z088SX	0.440	1.034	1.000000	1.000000	16.7192	16.726	Z088SX
Z098SX	0.000	0.000	1.000000	1.000000	0.0004	0.002	Z098SX
I257SX	0.000	0.000	1.000000	0.000-00	0.0000	-0.008	I257SX
Z021MC	0.000	0.000	1.000000	1.000000	0.0003	0.025	Z021MC
Z031MC	0.000	0.000	1.000000	1.000000	0.0003	0.025	Z031MC
Z033MC	-0.240	-0.622	1.000000	1.000000	-7.5269	-7.483	Z033MC
Z035MC	0.000	0.000	1.000000	1.000000	0.0003	0.013	Z035MC
Z039MC	0.000	0.000	1.000000	1.000000	0.0003	0.013	Z039MC
Z041MC	-0.240	-0.622	1.000000	1.000000	-7.5269	-7.458	Z041MC
Z043MC	0.000	0.000	1.000000	1.000000	0.0003	0.025	Z043MC
Z053MC	0.000	0.000	1.000000	1.000000	0.0003	-0.012	Z053MC
Z066MC	0.000	0.000	1.000000	1.000000	0.0003	0.025	Z066MC
Z076MC	0.000	0.000	1.000000	1.000000	0.0003	0.000	Z076MC
Z078MC	-0.240	-0.564	1.000000	1.000000	-6.8223	-6.787	Z078MC
Z080MC	0.000	0.000	1.000000	1.000000	0.0003	0.025	Z080MC
Z084MC	0.000	0.000	1.000000	1.000000	0.0003	-0.012	Z084MC
Z086MC	-0.240	-0.564	1.000000	1.000000	-6.8223	-6.787	Z086MC
Z088MC	0.000	0.000	1.000000	1.000000	0.0003	0.013	Z088MC
Z098MC	0.000	0.000	1.000000	1.000000	0.0003	0.013	Z098MC

v. 1 Run #	395	Date:	12-12-14	Start:		Stop:		
Your Name:	Suwat	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input checked="" type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	<input type="checkbox"/> pulser <input type="checkbox"/> _____		<input checked="" type="checkbox"/> Ext. 2	<input type="checkbox"/> MCP DS <input type="checkbox"/> _____ <input type="checkbox"/> Sec.: DS 10		
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:					<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:			_____ mm	Target	(I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)	
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr			
Comments:	Data. Cut short to drop beam intensity (x2) to look at MCP rate							

v. 1 Run #	396	Date:	12/12/14	Start:	9:10	Stop:		
Your Name:	Charles Loelins	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	<input type="checkbox"/> pulser <input type="checkbox"/> _____		<input checked="" type="checkbox"/> Ext. 2	<input type="checkbox"/> MCP DS <input type="checkbox"/> _____ <input type="checkbox"/> Sec.: DS 0		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:					<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:			_____ mm	Target	(I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)	
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr			
Comments:	Reduced beam intensity by factor of 2. Stopped early to post rate for signal.							

v. 1 Run #	397	Date:	12/12/14	Start:	9:42	Stop:	9:46	
Your Name:	Charles Loelins	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	<input type="checkbox"/> pulser <input type="checkbox"/> _____		<input checked="" type="checkbox"/> Ext. 2	<input type="checkbox"/> MCP DS <input type="checkbox"/> _____ <input type="checkbox"/> Sec.: DS _____		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:					<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:			_____ mm	Target	(I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)	
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr			
Comments:	Data high rate DAQ crash							

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v. 1 Run #	398	Date:	12-12-14	Start:	947	Stop:	947
Your Name:		Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input checked="" type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:				Vacuum:	_____ e- torr
Comments:	DAQ crash fix attempt failed,						

v. 1 Run #	399	Date:	12-12-14	Start:	10:24 AM	Stop:	11:07 AM
Your Name:	Charlie Loeilly	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input checked="" type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:				Vacuum:	_____ e- torr
Comments:	Recoverd from crash by CSCG Do not use names greater than 8 characters. it causes crashes						

v. 1 Run #	400	Date:	12/12/14	Start:	11:26	Stop:	12:07
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS 10						
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input checked="" type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	134 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	112 mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	107.5 mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:				Vacuum:	_____ e- torr
Comments:	Beam title is is not correct. did not go down 2x						

I switched the line discriminator for the XFP and the double funny is gone.

v. 1 Run #	401	Date:	12/12/14	Start:	12:36	Stop:	13:34
Your Name:	Kyl	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions:		
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	Target	(I251Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		_____ mm	MCP 1 (DS)	(I250X-R)
Comments:	New XFP line discriminator						

v. 1 Run #	402	Date:	12/12/14	Start:	13:38	Stop:	
Your Name:	Justin	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions:		
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out		134 mm	Target	(I251Y-R)
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out		188 mm	MCP 0 (US)	(I250Y-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		0 mm	MCP 1 (DS)	(I250X-R)
Comments:	MCP 1 foil should have been in						

v. 1 Run #	403	Date:	12/12/14	Start:	13:50	Stop:	
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions:		
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out		134 mm	Target	(I251Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		168 mm	MCP 0 (US)	(I250Y-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		2476 mm	MCP 1 (DS)	(I250X-R)
Comments:	Logger DAD crashed Plan A focused beam						

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v. 1 Run # 404	Date: 12/12/14	Start: 13:55	Stop:
Your Name: Justin	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk			
S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input type="checkbox"/> Sec.: <input type="checkbox"/> DS			
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>	
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:	
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out		134 mm Target (I251Y-R)	
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		188 mm MCP 0 (US) (I250Y-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No		247.6 mm MCP 1 (DS) (I250X-R)	
S800 Segment 8 Brho:		Vacuum: _____ e- torr	
Comments: Plan A focused beam			

MCP Mask run plan
Plan

20min A MCP 0 mask in MCP 1 foil Target (CH₂)_n 75µm
 20min B MCP 0 ~~mask~~ foil MCP 1 mask
 10min C foil foil Mask

then Defocus beam

10min C
 30min A
 30min B

v. 1 Run # 406	Date: 12/12/14	Start: 14:14	Stop:
Your Name: Charles	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk			
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input type="checkbox"/> Sec.: <input type="checkbox"/> DS			
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>	
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:	
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		134.014 mm Target (I251Y-R)	
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out		112.864 mm MCP 0 (US) (I250Y-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No		118.624 mm MCP 1 (DS) (I250X-R)	
S800 Segment 8 Brho:		Vacuum: _____ e- torr	
Comments:			

v. 1 Run # 407	Date: 12/12	Start: 14:22	Stop:
Your Name: Sean	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input checked="" type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS _____
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csi	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out.	Drive Positions: 169.526 mm <i>Not written correctly</i>		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	112.004 mm <i>target</i>		
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	247.602 mm <i>connect</i>		
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out	MCP 0 (US) (I250Y-R)		
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: Drive positions written are not written connect			

v. 1 Run # 408	Date: 12/12	Start: 14:38	Stop:
Your Name: Sean	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input checked="" type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS _____
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csi	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: 169.52 mm Target (I251Y-R)		
<input checked="" type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	112.004 mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	247.602 mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out	MCP 0 (US) (I250Y-R)		
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: De focused MCP 1 mask run			

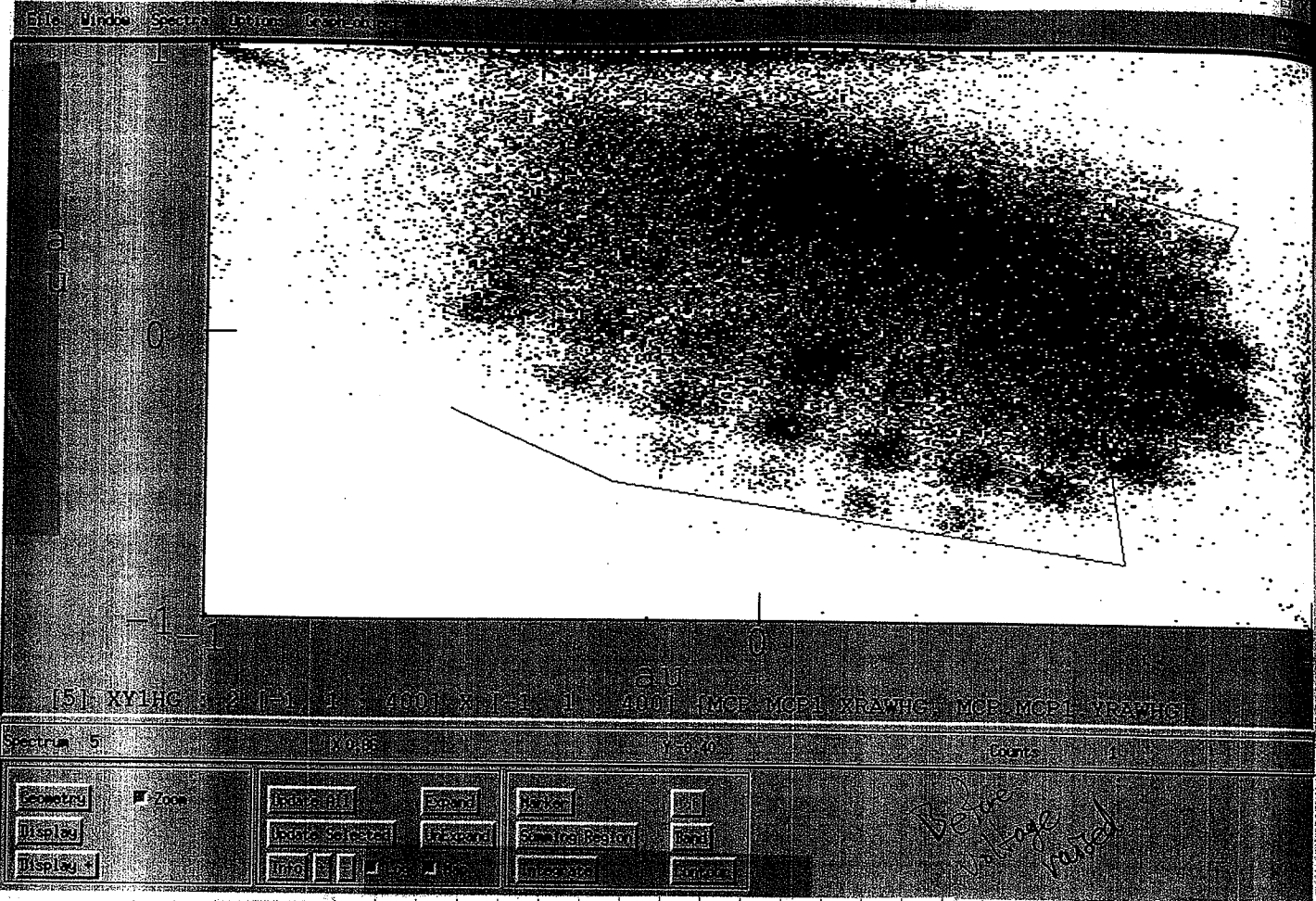
v. 1 Run # 409	Date: 12/12	Start: 14:59	Stop:
Your Name: Sean	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS _____
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csi	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: 169.52 mm Target (I251Y-R)		
<input checked="" type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	112.004 mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	247.602 mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	MCP 0 (US) (I250Y-R)		
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: Mylar foil de focused target mask run			

v. 1 Run # 410	Date: 12/12	Start: 15:13	Stop: 15:17
Your Name:	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Jenn <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type:	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input type="checkbox"/> Sec.: <input type="checkbox"/> DS		
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>		
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:	
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	134.017 mm	Target (I251Y-R)
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	112.004 mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out	103.524 mm	MCP 1 (DS) (I250X-R)
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: Manual Beam up & not recorded as of 15:15			

v. 1 Run # 411	Date:	Start: 15:	Stop:
Your Name: Justin	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type:	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input checked="" type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input type="checkbox"/> Sec.: <input type="checkbox"/> DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>		
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:	
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target (I251Y-R)
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS) (I250X-R)
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: DAQ DIED AGAIN			

v. 1 Run # 412	Date: 12/12/14	Start: 15:29	Stop:
Your Name:	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Jenn <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type:	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input type="checkbox"/> Sec.: <input type="checkbox"/> DS I		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>		
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:	
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	134 mm	Target (I251Y-R)
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	112.064 mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out	103.524 mm	MCP 1 (DS) (I250X-R)
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: DAQ crashed previously, redone.			

Xamine -- /user/e09084/Spectra/win-files/2D_MCP.win [Modified]



v. 1 Run #	413	Date:	12/12/14	Start:	16:30	Stop:	
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	<input checked="" type="checkbox"/> (1+) S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: 134 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 193.5 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: 1899	I: 739	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: 1851	I: 60.2	<input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	MCP Voltage raised by 50 V, MCP 1 Mask						

v. 1 Run #	414	Date:	12/12/14	Start:	16:33	Stop:	
Your Name:	Kyle			Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	Debug	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____)	Ext. 2 (<input type="checkbox"/> MCP DS _____)		Sec.: DS 10			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		mm Target (I251Y-R)			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			mm MCP 0 (US) (I250Y-R)			
MCP MCP 0 (US):	V: 1400 I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		mm MCP 1 (DS) (I250X-R)			
MCP 1 (DS):	V: 1850 I: _____	<input checked="" type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out		mm			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments:	Debug						

v. 1 Run #	415	Date:		Start:		Stop:	
Your Name:				Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____)	Ext. 2 (<input type="checkbox"/> MCP DS _____)		Sec.: DS 3			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		mm Target (I251Y-R)			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			mm MCP 0 (US) (I250Y-R)			
MCP MCP 0 (US):	V: 1400 I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		mm MCP 1 (DS) (I250X-R)			
MCP 1 (DS):	V: 1850 I: _____	<input checked="" type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out		mm			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments:	Changed HiRA DS factor to 3 for higher rate testing						

v. 1 Run #	416	Date:		Start:		Stop:	
Your Name:	Kyl			Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____)	Ext. 2 (<input type="checkbox"/> MCP DS _____)		Sec.: DS 3			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		mm Target (I251Y-R)			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			mm MCP 0 (US) (I250Y-R)			
MCP MCP 0 (US):	V: 1400 I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		mm MCP 1 (DS) (I250X-R)			
MCP 1 (DS):	V: 1850 I: _____	<input checked="" type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out		mm			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments:	Added S800 as DR to trigger						

v. 1 Run # 417	Date:	Start:	Stop:
Your Name:	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS			
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>		
Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US): V: <u>1900</u> I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS): V: <u>1850</u> I: _____ <input checked="" type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: S800 singles only			

v. 1 Run # 418-419	Date:	Start:	Stop:
Your Name: Kyle	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS			
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US): V: <u>1900</u> I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS): V: <u>1850</u> I: _____ <input checked="" type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: +50 V on MCP (DAQ Crash)			

v. 1 Run # 420	Date:	Start:	Stop:
Your Name: Kyle	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS			
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US): V: <u>1900</u> I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS): V: <u>1850</u> I: _____ <input checked="" type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: MCP1 Mask			

v. 1 Run # 421	Date: 12/12/14	Start: 17:20	Stop: 17:22
Your Name: Kyle	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk			
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS _____			
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____	
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out		Drive Positions:	
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		_____ mm Target (I251Y-R)	
MCP MCP 0 (US): V: 1400 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS): V: 1850 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 1 (DS) (I250X-R)	
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho: 2,1980 Vacuum: _____ e- torr	
Comments: Refocused attenuation 10x			

v. 1 Run # 422	Date: 12/12/14	Start: 17:23	Stop: 17:26
Your Name: Justin	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk			
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____			
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____	
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out		Drive Positions:	
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		_____ mm Target (I251Y-R)	
MCP MCP 0 (US): V: 1400 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS): V: 1850 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 1 (DS) (I250X-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho: _____ Vacuum: _____ e- torr	
Comments: attenuation X3			

v. 1 Run # 423	Date: 12/12/14	Start: 17:26	Stop: 17:29
Your Name: Justin	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk			
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____			
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____	
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out		Drive Positions:	
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		_____ mm Target (I251Y-R)	
MCP MCP 0 (US): V: 1400 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS): V: 1850 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 1 (DS) (I250X-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho: _____ Vacuum: _____ e- torr	
Comments: atten. X1			

v. 1 Run #	424	Date:		Start:	17:29	Stop:	17:31
Your Name:	Justin	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)		<input type="checkbox"/> Sec.: <input type="checkbox"/> DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input checked="" type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: 1400	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: 1850	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments: X30 title is wrong							

v. 1 Run #	425	Date:		Start:	17:31	Stop:	
Your Name:	Justin	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)		<input type="checkbox"/> Sec.: <input type="checkbox"/> DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input checked="" type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: 1400	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: 1850	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments: X 100							

v. 1 Run #	426	Date:		Start:		Stop:	
Your Name:	Justin	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)		<input type="checkbox"/> Sec.: <input type="checkbox"/> DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input checked="" type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: 1400	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: 1850	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments: X 1000 title is wrong							

v. 1
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v. 1
You
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v. 1 Run #	427	Date:		Start:		Stop:	
Your Name:	Jadgg	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input checked="" type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions:		
MCP MCP 0 (US):	V: 1900	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm		Target	(I251Y-R)
MCP 1 (DS):	V: 1850	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm		MCP 0 (US)	(I250Y-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments:	X1000						

v. 1 Run #	428	Date:		Start:	17:41	Stop:	17:43
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions:		
MCP MCP 0 (US):	V: 1900	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm		Target	(I251Y-R)
MCP 1 (DS):	V: 1850	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm		MCP 0 (US)	(I250Y-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments:	atten. X1						

v. 1 Run #	429	Date:	12/12/14	Start:	18:38	Stop:	18:43
Your Name:	Bill	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS 10						
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input checked="" type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions:		
MCP MCP 0 (US):	V: 1900	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	134 mm		Target	(I251Y-R)
MCP 1 (DS):	V: 1850	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	112 mm		MCP 0 (US)	(I250Y-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments:	forgot to change down scale						

all
DMSCALE $\frac{8}{10}$

421

MCPRATE $\sim 8 \times 10^4$ Object $\sim 5.5 \times 10^4$ XFP $\sim 5.6 \times 10^4$

all
DMSCALE $\frac{3}{10}$

422

MCPRATE $\sim 2.6 \times 10^5$ Object $\sim 8.8 \times 10^4$ XFP $\sim 8.2 \times 10^4$

all
DMSCALE $\frac{1}{10}$

423

MCPRATE $\sim 5,000^5$ or $2,8 \times 10^5$ Object $\sim 3.8 \times 10^5$ XFP $\sim 3.8 \times 10^5$

all
DMSCALE $\frac{3}{10}$

424

MCPRATE $\sim 8.1 \times 10^4$ 3.3×10^5 Object 1×10^4 XFP $\sim 1 \times 10^4$

all
DMSCALE $\frac{1}{100}$

425

MCPRATE $\sim 8 \times 10^4$ 3.3×10^5 Object $\sim 3.3 \times 10^3$ XFP $\sim 2.6 \times 10^3$

all
DMSCALE $\frac{1}{1000}$

426

MCPRATE $\sim 3.3 \times 10^5$ Object $\sim 1 \times 10^3$ XFP ~ 400

all
DMSCALE $\frac{1}{10000}$

427

MCP $\sim 3.3 \times 10^5$ (raw) ~~8×10^4~~

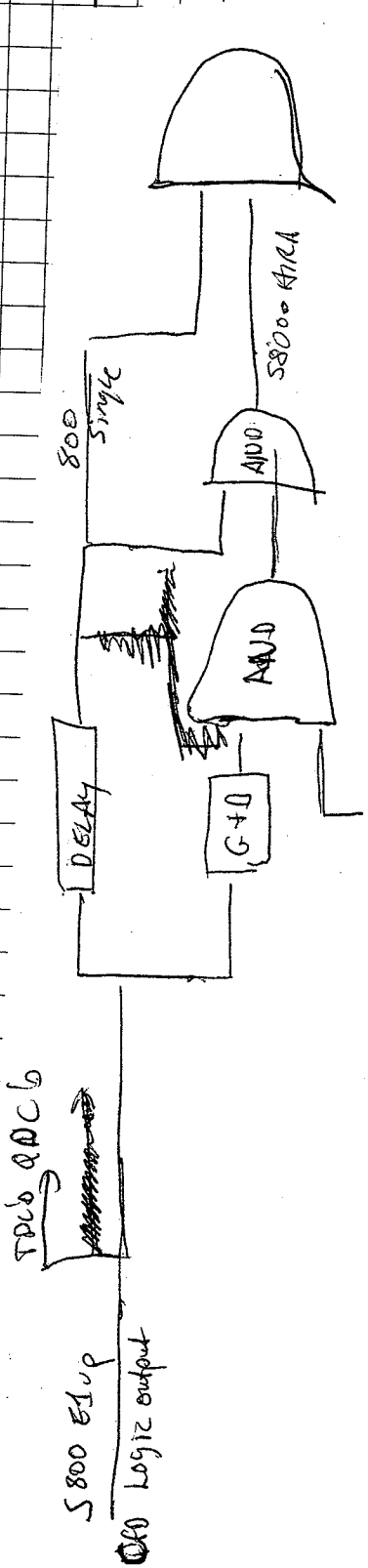
Object 800

XFP 32

all
DMSCALE $\frac{1}{1}$

428

MCP rate 4.8×10^5 or 2.4×10^5 Object 3×10^5 XFP 3.1×10^5



v. 1 | Run
 Your Name:
 Also on Shift
 Jon J
 Run Type:
 S800 Trigg
 HIRA Trigg
 Target:
 MCP MC
 MCP 1 (DS
 MCP Volta
 Comment:

v. 1 |
 Your P
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v. 1 Run # 430	Date: 2/12/14	Start:	Stop:
Your Name: Justin	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: DS 1
HIRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input checked="" type="checkbox"/> pdt <input type="checkbox"/>		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		Target (I251Y-R)
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	134 mm		
MCP MCP 0 (US): V: 1400 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	112 mm	MCP 0 (US) (I250Y-R)	
MCP 1 (DS): V: 1850 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	107.5 mm	MCP 1 (DS) (I250X-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: changed down scale to 1			

v. 1 Run # 431	Date: 2/12/14	Start: 18:56	Stop: 19:01
Your Name:	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: DS 1
HIRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		Target (I251Y-R)
<input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	193.5 mm		
MCP MCP 0 (US): V: 1400 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	112 mm	MCP 0 (US) (I250Y-R)	
MCP 1 (DS): V: 1850 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	107.5 mm	MCP 1 (DS) (I250X-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: Changed to carbon target (thick production target)			

v. 1 Run # 432	Date: 2/12/14	Start: 19:03	Stop:
Your Name:	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: DS 1
HIRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input checked="" type="checkbox"/> pdt <input type="checkbox"/>		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		Target (I251Y-R)
<input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	193.5 mm		
MCP MCP 0 (US): V: 1400 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	112 mm	MCP 0 (US) (I250Y-R)	
MCP 1 (DS): V: 1850 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	107.5 mm	MCP 1 (DS) (I250X-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: (thin production target)			

v. 1 Run #	433	Date:	12/10/14	Start:	19:08	Stop:	
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS 1
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar	<input checked="" type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:		193.5 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: 1800 I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	112 mm		MCP 0 (US)	(I250Y-R)	
MCP 1 (DS):	V: 1850 I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	107.5 mm		MCP 1 (DS)	(I250X-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		e- torr		
Comments:	Even thicker prod. target						

v. 1 Run #	434	Date:	12/12/14	Start:		Stop:	
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input checked="" type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS 1
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar	<input checked="" type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:		139 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: 1800 I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	112 mm		MCP 0 (US)	(I250Y-R)	
MCP 1 (DS):	V: 1850 I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	107.5 mm		MCP 1 (DS)	(I250X-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		e- torr		
Comments:	Thick production target						

v. 1 Run #	435	Date:	12/12/14	Start:		Stop:	
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input checked="" type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input checked="" type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS 1
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar	<input checked="" type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:		139 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: 1800 I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	112 mm		MCP 0 (US)	(I250Y-R)	
MCP 1 (DS):	V: 1850 I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	107.5 mm		MCP 1 (DS)	(I250X-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		e- torr		
Comments:	Operators returned the beam						

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v. 1 Run #	436	Date:	12/12/14	Start:	21:18	Stop:	
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <u>1</u>						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input checked="" type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions: <u>134</u> mm Target (I251Y-R) <u>112</u> mm MCP 0 (US) (I250Y-R) <u>107.5</u> mm MCP 1 (DS) (I250X-R)		
MCP MCP 0 (US):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:							

CSI 0 & 1 on tot pos. 3
 no signal
 recycled crate

v. 1 Run #	437	Date:	12/12/14	Start:		Stop:	22:24
Your Name:	Juan	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <u>1</u>						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input checked="" type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions: <u>134</u> mm Target (I251Y-R) <u>112</u> mm MCP 0 (US) (I250Y-R) <u>107.5</u> mm MCP 1 (DS) (I250X-R)		
MCP MCP 0 (US):	V: <u>1900</u> I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: <u>1800</u> I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: Data ended early to return to ³⁶ Ar. (p.t) settings							

Har
#629

A1900 "Print12Dec14_23h01.txt" Friday 23:01:36 2014-12-12 A1900
 Moe 252 *** Ar-beam to I265 run#438 ***
 Expt: 09084 "Comp. of Spec. Factors from (p,d) & KO" [J. Lee] Line: S800 [8]
 Beam: 36 Ar 7+ 13.06 MeV/nuc (K500) 18+ 150 MeV/nuc (K1200) Chpr off
 <Att 1> ECR, Apertures: SUSI 150.0; 15.0; 15.0 mm SHVBI: 23.2400 kV
 K500 a,b: 618 A, 462 A K1200: 725 A, -229 A RF: 23.83840 MHz

A1900 Optics: L19S3I_Focus60x30HiRA.data

Seg	Rigidity	Field	Radius	(live)	Difference	(Field*Radius)
Seg 0:	3.66255 Tm					
Seg 1:	2.59270 Tm	0.83719 T	3.09683 m	3.09689 m	-0.00184 %	(2.59265 Tm)
Seg 2:	2.59270 Tm	0.83740 T	3.09601 m	3.09613 m	-0.00390 %	(2.59260 Tm)
Seg 3:	2.35000 Tm	0.76050 T	3.08985 m	3.09007 m	-0.00708 %	(2.34983 Tm)
Seg 4:	2.35000 Tm	0.76011 T	3.09184 m	3.09168 m	0.00516 %	(2.35012 Tm)
Seg 5:	2.33210 Tm					
Seg 6:	2.31120 Tm					
Seg 7:	2.31120 Tm					
Seg 8:	2.19800 Tm					

A116DS	0.74720 T	3.11991 m	3.12112 m	-0.03873 %
A132DS	-0.72340 T	3.22283 m	3.22380 m	-0.03022 %
A165DS	0.39820 T	5.85607 m	5.85660 m	-0.00917 %
I200DS	0.72682 T	3.17972 m	3.17988 m	-0.00487 %
I205DS	0.75042 T	3.08026 m	3.07988 m	0.01235 %
I223DS	0.74164 T	3.11612 m	3.11634 m	-0.00688 %
I228DS	0.00000 T	3.16536 m	0.00000 m	100.00000 %
I265DS	0.78382 T	2.80280 m	2.80422 m	-0.05047 %
I269DS	0.78431 T	2.80280 m	2.80246 m	0.01201 %

Trim Coils: I265T (read) 63.90 (63.85) A; I269T 64.28 (64.27) A

Slits: I181 XC,G,YC,G: 76.21, 84.45; -77.36, 84.53

Z001TL: out, Z013TL: out; Z014TL out

Z015TL: Be 1222, Z016TL out

Z030BC Beam Stop: -89.91 mm

Z037L,R: -20.00, 20.00 mm or -0.68, 0.68 width= 1.36 %; Z037DC: out

Z057MS: 1%, Z061MS: 0.5%

Z059DC: out, Z062SC: out, Z059TL: Al 240

Z082 XC,G,YG: 0.16, 203.64, 202.05 mm Z082TL: out

Z103DC: out, Z106DC: out, Z107DC_U/L: out/out

Z104DC-R -112.998 mm; .IRPOS 0; .STR1 115um BC400 #045

Z105TL: out, Slits: ; PPACs: ; Z107 outlim: Y

Z104 XC,G,YC,G: -22.32, 54.67; -0.04, 79.93 mm

Slits: I181 XC,G,YC,G: 76.21, 84.45; -77.36, 84.53

I187: BC-400 #55 132 um, I188: out, I189: out, I190: out

I213: out, i214: out, I215: out, I216: out

I214DC Det Drive: out; I255T: 6.20 B: 3.20 mm; Up/Dn Mask: out/out

Scattering Chamber I250X-R/I250Y-R/I251Y-R [mm]: 107.5/112.0/134.0

I259XM: -0.0013 XP: 0.0000 YM: 0.0000 YP: 1.7232

MagName	Ref[kG]	BSet[kG]	Ratio	(live)	Set[A]	Read[A]	DEVI
Z001DV	0.000	-0.691	-18873.31	-18873.31	-300.0000	-300.411	Z001DV
Z002DH	0.000	-1.328	-36262.78	-36262.78	-3.2383	-3.172	Z002DH
Z003DV	0.000	0.864	23686.37	23600.43	2.0942	2.138	read Z003DV
Z004QA	1.685	6.172	1.000000	1.000000	4.3129	4.297	Z004QA
Z005QB	-0.414	-1.516	1.000000	1.000000	-1.0580	-1.037	Z005QB
Z008DS	2.492	9.008	0.980957	0.986988	30.1637	30.276	- Z008DS
Z011QA	-2.322	-8.931	1.050000	1.050000	-6.2469	-6.189	Z011QA
Z012QB	3.409	15.982	1.280000	1.280000	11.6768	11.622	Z012QB

Segment 1

Z017TA	3.539	9.740	1.057000	1.057000	25.5379	25.637	Z017TA
Z019TB	-3.322	-8.726	1.010000	1.010000	-22.9626	-23.009	Z019TB
Z021TC	2.407	6.520	1.043000	1.043000	13.6700	13.735	Z021TC
Z026DS	3.226	8.291	0.991385	0.991385	50.9373	50.836	Z026DS
Z031TA	2.926	7.617	1.000000	1.000000	15.9652	16.054	Z031TA
Z033TB	-3.613	-9.401	1.000000	1.000000	-27.1863	-27.220	Z033TB
Z035TC	3.183	8.294	1.000000	1.000000	17.4098	17.458	Z035TC

Segment 2

Z039TA	3.183	8.294	1.000000	1.000000	17.3398	17.397	Z039TA
Z041TB	-3.562	-9.267	1.000000	1.000000	-26.7866	-26.854	Z041TB

62 b

Z043TC	2.924	7.613	1.000000	1.000000	15.8967	15.993	Z043TC
Z048DS	-3.226	-8.442	1.009390	1.009390	-53.0456	-53.200	Z048DS
Z053TA	2.800	7.263	1.000000	1.000000	15.2564	15.261	Z053TA
Z055TB	-3.665	-9.556	1.000000	1.000000	-25.7754	-25.694	Z055TB
Z057TC	3.264	8.657	1.000000	1.000000	83.2387	82.922	Z057TC
----- Segment 3 -----							
Z062TA	3.264	7.817	1.000000	1.000000	75.0464	74.902	Z062TA
Z064TB	-3.665	-8.652	1.000000	1.000000	-23.3133	-23.253	Z064TB
Z066TC	2.800	6.583	1.000000	1.000000	13.7875	13.796	Z066TC
Z071DS	-3.226	-7.504	0.989898	0.989898	-46.5243	-46.693	Z071DS
Z076TA	2.924	6.895	1.000000	1.000000	14.4863	14.528	Z076TA
Z078TB	-3.562	-8.393	1.000000	1.000000	-24.2908	-24.168	Z078TB
Z080TC	3.183	7.510	1.000000	1.000000	15.7270	15.749	Z080TC
----- Segment 4 -----							
Z084TA	3.097	7.446	1.019000	1.019000	15.6451	15.749	Z084TA
Z086TB	-3.403	-7.971	0.994000	0.994000	-23.0915	-23.009	Z086TB
Z088TC	2.767	6.642	1.018000	1.018000	13.8900	13.857	Z088TC
Z093DS	3.226	7.566	0.998059	0.998059	46.3264	46.266	Z093DS
Z098TA	2.501	5.788	0.978000	0.978000	12.0982	12.026	Z098TA
Z100TB	-3.039	-6.911	0.965000	0.965000	-18.1788	-18.187	Z100TB
Z102TC	1.454	3.071	0.903000	0.903000	8.0687	8.120	Z102TC
----- Segment 5 -----							
A108TA	2.685	6.262	1.000000	1.000000	4.3754	4.397	A108TA
A110TB	-3.800	-8.791	0.992000	0.992000	-6.1485	-6.123	A110TB
A112TC	2.931	6.814	0.997000	0.997000	4.7618	4.761	A112TC
A116DS	3.220	7.415	0.987410	0.987411	63.6918	63.831	A116DS
A121QA	3.283	7.656	1.000000	1.000000	5.3510	5.358	A121QA
A123QB	-1.070	-2.496	1.000000	1.000000	-1.7419	-1.733	A123QB
A125QA	-2.328	-5.429	1.000000	1.000000	-3.7929	-3.800	A125QA
A127QB	2.765	6.448	1.000000	1.000000	4.5060	4.520	A127QB
A132DS	-3.125	-7.215	0.990051	0.990051	-61.9572	-61.907	A132DS
A136DV	0.000	0.000	0.000-00	0.000-00	0.0000	-0.002	A136DV
A139QA	-2.229	-5.197	1.000000	1.000000	-3.6305	-3.630	A139QA
A141QB	1.979	4.615	1.000000	1.000000	3.2228	3.230	A141QB
A145DH	0.000	0.000	0.000-00	0.000-00	0.0000	-0.001	A145DH
A157QA	-1.983	-4.624	1.000000	1.000000	-3.2290	-3.231	A157QA
A159QB	2.106	4.911	1.000000	1.000000	3.4296	3.422	A159QB
A165DS	1.708	3.997	1.003421	1.003421	34.3356	34.111	A165DS
I170DH	0.000	-0.020	-873.0923	-873.0923	-1.8687	-2.072	I170DH
I172QA	1.483	3.458	1.000000	1.000000	2.4144	2.407	I172QA
I174QB	-1.804	-4.207	1.000000	1.000000	-2.9371	-2.914	I174QB
I184QA	2.574	6.002	1.000000	1.000000	4.1939	4.207	I184QA
I186QB	-4.025	-9.387	1.000000	1.000000	-6.5682	-6.563	I186QB
----- Segment 6 -----							
I191TA	5.080	11.764	1.000000	1.000000	14.4417	14.557	I191TA
I193TB	-5.274	-12.283	1.000000	1.000000	-15.1015	-14.910	I193TB
I195TC	2.553	5.895	1.000000	1.000000	7.1999	7.381	I195TC
I197DH	0.000	0.000	0.000-00	0.000-00	0.0000	-0.005	I197DH
I200DS	3.243	7.219	0.963247	0.963247	34.1030	34.107	I200DS
I205DS	3.243	7.449	0.993990	0.993990	35.1949	35.259	I205DS
I209TA	0.661	1.435	1.000000	1.000000	1.7545	1.885	I209TA
I210TB	-4.269	-9.783	1.000000	1.000000	-11.9691	-11.931	I210TB
I211TC	5.437	12.660	1.000000	1.000000	15.5848	15.678	I211TC
----- Segment 7 -----							
I216TA	5.437	12.660	1.000000	1.000000	15.5848	15.615	I216TA
I217TB	-4.269	-9.783	1.000000	1.000000	-11.9691	-11.760	I217TB
I218TC	0.661	1.435	1.000000	1.000000	1.7545	1.750	I218TC
I223DS	-3.243	-7.371	0.983608	0.983608	-34.8262	-34.828	I223DS
I228DS	-3.243	-7.247	0.966989	0.966989	-34.2359	-34.091	I228DS
I231DH	0.000	0.000	0.000-00	0.000-00	0.0000	-0.023	I231DH
I232TA	-0.986	-2.133	1.000000	1.000000	-2.6065	-2.538	I232TA
I234TB	2.856	6.458	1.000000	1.000000	7.8893	7.842	I234TB
I236TC	-3.303	-7.613	1.000000	1.000000	-9.2984	-9.303	I236TC
I241TA	2.237	5.177	1.000000	1.000000	6.3228	6.392	I241TA
I243TB	-1.550	-2.865	0.800000	0.800000	-3.4989	-3.331	I243TB
I245TC	0.861	1.986	1.000000	1.000000	2.4270	2.518	I245TC
----- Segment 8 -----							

#62c

I256QA	-5.847	-8.136	0.633000	0.633000	-22.9784	-22.940	I256QA
I258QB	3.603	5.599	0.707000	0.707000	22.2381	22.209	I258QB
I265DS	3.559	7.788	0.995530	0.995530	146.9050	147.173	I265DS
I269DS	3.559	7.829	1.000699	1.000699	147.7771	147.594	I269DS

MagName	Ref[kG]	BSet[kG]	Ratio	(live)	Set[A]	Read[A]	DEVI
Z021SX	0.000	0.000	1.000000	1.000000	0.0004	0.063	Z021SX
Z031SX	0.400	1.037	1.000000	1.000000	16.7690	16.848	Z031SX
Z033SX	-0.324	-0.840	1.000000	1.000000	-13.5830	-13.487	Z033SX
Z035SX	0.000	0.000	1.000000	1.000000	0.0004	0.063	Z035SX
Z039SX	0.000	0.000	1.000000	1.000000	0.0004	0.063	Z039SX
Z041SX	-0.324	-0.840	1.000000	1.000000	-13.5830	-13.548	Z041SX
Z043SX	0.400	1.037	1.000000	1.000000	16.7690	16.787	Z043SX
Z053SX	0.013	0.033	1.000000	1.000000	0.5371	0.612	Z053SX
Z066SX	0.014	0.034	1.000000	1.000000	0.5477	0.673	Z066SX
Z076SX	0.440	1.034	1.000000	1.000000	16.7192	16.787	Z076SX
Z078SX	-0.316	-0.743	1.000000	1.000000	-12.0076	-12.022	Z078SX
Z080SX	0.000	0.000	1.000000	1.000000	0.0004	0.063	Z080SX
Z084SX	0.000	0.000	1.000000	1.000000	0.0004	0.063	Z084SX
Z086SX	-0.316	-0.743	1.000000	1.000000	-12.0076	-12.083	Z086SX
Z088SX	0.440	1.034	1.000000	1.000000	16.7192	16.726	Z088SX
Z098SX	0.000	0.000	1.000000	1.000000	0.0004	0.002	Z098SX
I257SX	0.000	0.000	1.000000	0.000-00	0.0000	-0.008	I257SX

Z021MC	0.000	0.000	1.000000	1.000000	0.0003	0.013	Z021MC
Z031MC	0.000	0.000	1.000000	1.000000	0.0003	0.025	Z031MC
Z033MC	-0.240	-0.622	1.000000	1.000000	-7.5269	-7.458	Z033MC
Z035MC	0.000	0.000	1.000000	1.000000	0.0003	0.013	Z035MC
Z039MC	0.000	0.000	1.000000	1.000000	0.0003	0.013	Z039MC
Z041MC	-0.240	-0.622	1.000000	1.000000	-7.5269	-7.458	Z041MC
Z043MC	0.000	0.000	1.000000	1.000000	0.0003	0.013	Z043MC
Z053MC	0.000	0.000	1.000000	1.000000	0.0003	-0.012	Z053MC
Z066MC	0.000	0.000	1.000000	1.000000	0.0003	0.013	Z066MC
Z076MC	0.000	0.000	1.000000	1.000000	0.0003	0.025	Z076MC
Z078MC	-0.240	-0.564	1.000000	1.000000	-6.8223	-6.787	Z078MC
Z080MC	0.000	0.000	1.000000	1.000000	0.0003	0.013	Z080MC
Z084MC	0.000	0.000	1.000000	1.000000	0.0003	0.000	Z084MC
Z086MC	-0.240	-0.564	1.000000	1.000000	-6.8223	-6.787	Z086MC
Z088MC	0.000	0.000	1.000000	1.000000	0.0003	0.025	Z088MC
Z098MC	0.000	0.000	1.000000	1.000000	0.0003	0.013	Z098MC

v. 1 Run #	438	Date:	12/13/14	Start:	23:01	Stop:	23:35
Your Name:	Juan	Built data?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> 90K)		<input checked="" type="checkbox"/> Sec.: DS 10			
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:			<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:					
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			_____ mm	Target	(I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 0 (US)	(I250Y-R)	
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 1 (DS)	(I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			2.1980	Vacuum: _____ e- torr	
Comments: Data. DAQ Crashed [↑] changed to (p.t) settings							

Run 439 Junk

v. 1 Run #	440	Date:	12/13/14	Start:	23:43	Stop:	00:08
Your Name:	Juan	Built data?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K)		<input checked="" type="checkbox"/> Sec.: DS 1			
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:			<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:					
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			_____ mm	Target	(I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 0 (US)	(I250Y-R)	
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 1 (DS)	(I250X-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:				Vacuum: _____ e- torr	
Comments: Data. Run ended to fix HIRA DS (incorrectly set to 1)							

v. 1 Run #	441	Date:	12/13/14	Start:	00:10	Stop:	01:07
Your Name:	Juan	Built data?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: DS 10			
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:			<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:					
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			_____ mm	Target	(I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 0 (US)	(I250Y-R)	
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 1 (DS)	(I250X-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:				Vacuum: _____ e- torr	
Comments: Data: Stopped early to check MCP 1							

v. 1 Run # 442	Date: 12/13/14	Start: 01:09	Stop: 01:18
Your Name: Jun	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk			
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____			
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____	
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out		Drive Positions:	
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		_____ mm Target (I251Y-R)	
MCP MCP 0 (US): V: 1850 1900 I: 0.76 <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS): V: 1850 I: 0.6 <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 1 (DS) (I250X-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho: _____ Vacuum: _____ e- torr	
Comments: Data: Stopped - MCP 1 Foil tripped! can't know when?			

ASSUME FOIL TRIPPED FOR ALL ³⁴Ar SINCE CHANGE FROM PAT

v. 1 Run # 443	Date: 12/13/14	Start: 01:20	Stop: 01:32
Your Name: Jun	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk			
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____			
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____	
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out		Drive Positions:	
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		_____ mm Target (I251Y-R)	
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 1 (DS) (I250X-R)	
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho: _____ Vacuum: _____ e- torr	
Comments: Data: stopped to ramp beam intensity			

Att #1	444	raw MPC 0	8.6×10^5
		raw MPC 1	1×10^6
		raw object	1×10^6
		raw Xfp	1.1×10^6
Att #10	445	raw mpc 0	3.4×10^5
		mp 1	4.8×10^5
		object	1.5×10^6
		Xfp	1.6×10^5
Att #3	446	raw mpc 0	4.5×10^5
		mp 1	5.0×10^5
		object	2.6×10^5
		Xfp	2.8×10^5
Att #100	447	raw mpc 0	3.2×10^5
		mp 1	3.4×10^5
		object	9.5×10^3
		Xfp	9.8×10^3

v. 1 Run #	448	Date:	12/13/14	Start:	01:40	Stop:	03:05
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP	Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.: _____	DS			
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:					
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm ²) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)			
MCP MCP 0 (US):	V: 1400 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)			
MCP 1 (DS):	V: 1800 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)			
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:	_____ e- torr			
Comments:	Data, Beam intensity reduced ~20% (XFP from $1 \cdot 10^6$ to $8 \cdot 10^5$)						

v. 1 Run #	449	Date:	12/13/14	Start:	03:12	Stop:	03:35
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS10						
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions: 134 mm Target (I251Y-R)		
MCP MCP 0 (US):	V: 1900 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				112 mm MCP 0 (US) (I250Y-R)		
MCP 1 (DS):	V: 1800 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				107.5 mm MCP 1 (DS) (I250X-R)		
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: 6.9 e-6 torr		
Comments:	Data Stopped for MCP measurements w/o beam						

v. 1 Run #	450	Date:	12/13/14	Start:	03:43	Stop:	4:31
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS10						
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions: _____ mm Target (I251Y-R)		
MCP MCP 0 (US):	V: 1900 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm MCP 0 (US) (I250Y-R)		
MCP 1 (DS):	y: 1850 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm MCP 1 (DS) (I250X-R)		
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Data Stopped to enter vault, add MCP blocker circuit (see next page)						

RAMP. After adding MCP noise blocker circuit

Run #	Attn.
451	x1
452	x3
453	x10
454	x30
455	no beam

* all runs ~ 1mm long

MCP Blocker Circuit see p. for drawing

We have been seeing $\sim 10^5$ counts in each MCP (now) w/o any beam. To calculate spectroscopic factors we need to know the beam intensity on target, so this is a problem. To combat this, Bill designed a blocker circuit that, when triggered by a γ signal in the MCP, blocks the outgoing signal for 150 ns for MCPD and close to 200 ns for MCP (the blocking updates, so for many successive pulses the actual ~~length~~ width of the signal could be much larger). The noise signals we see often have several consecutive pulses, so this should cut down our noise counts considerably.

v. 1 Run #	456	Date:	12/13/14	Start:	5:29	Stop:	5:31
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: DS <u>10</u>						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm Target (I251Y-R)			
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm MCP 0 (US) (I250Y-R)			
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	CRDC1 Mask... stopped because trigger wrong						

v. 1 Run #	457	Date:	12/13/14	Start:	5:32	Stop:	5:42
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: DS _____						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions:			
MCP MCP 0 (US):	V: <u>1900</u> I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm Target (I251Y-R)			
MCP 1 (DS):	V: <u>1850</u> I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm MCP 0 (US) (I250Y-R)			
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	CRDC1 Mask						

v. 1 Run #	458	Date:	12/13/14	Start:	5:43	Stop:	5:56
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: DS _____						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm Target (I251Y-R)			
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm MCP 0 (US) (I250Y-R)			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	CRDC2 Mask						

v. 1 Run #	459	Date:	12/13/14	Start:	05:59	Stop:	06:34
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____		DS <input checked="" type="checkbox"/>	
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		_____ mm Target (I251Y-R)			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm		MCP 0 (US) (I250Y-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm		MCP 1 (DS) (I250X-R)			
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments: Data: Stopped to check MCP patch panel mapping							

v. 1 Run #	460	Date:	12/13/14	Start:	06:39	Stop:	07:08
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____		DS _____	
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		_____ mm Target (I251Y-R)			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm		MCP 0 (US) (I250Y-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm		MCP 1 (DS) (I250X-R)			
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments: Data: Stopped to raise MePO by 50 V							

v. 1 Run #	461	Date:	12/13/14	Start:	07:09	Stop:	07:15
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____		DS _____	
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		_____ mm Target (I251Y-R)			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm		MCP 0 (US) (I250Y-R)			
MCP MCP 0 (US):	V: 1850V I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm		MCP 1 (DS) (I250X-R)			
MCP 1 (DS):	V: 1850V I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments: Data: Stopped so Tom Gander could switch to (p,d)							

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Cr. 23 setting

v. 1 Run #	462	Date:	12/13/14	Start:	7:32	Stop:	8:24
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.:		DS <input type="checkbox"/> _____	
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: 1900	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: 1850	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Data. MCP0 foil reset and voltage raised Stopped to adjust MCP foil						

v. 1 Run #	463	Date:	12-13-14	Start:	8:34	Stop:	9:06
Your Name:	Sumit	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.:		DS <input type="checkbox"/> _____	
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: 134 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: 1950	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: 1850	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Data. MCP0 foil reset and voltage raised 80V Stopped to look at and locked beam						

v. 1 Run #	464	Date:	12/13/14	Start:	09:13	Stop:	09:24
Your Name:	Juan	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.:		DS _____	
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: 1950	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: 1850	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	S800 blocker out (set to 6.84) Att'n: 10^4						

Note: whenever we remove the S800 blocker and trigger on the S800, we see plenty of counts in both MCPs (as opposed to with the blocker in, when we saw almost as many counts on MCP0 as MCP1).

v. 1 Run #	465	Date:	2/13/14	Start:		Stop:	
Your Name:	Juan			Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K)		<input checked="" type="checkbox"/> Sec.: _____		DS	10
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl			Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> CH2 75 um <input type="checkbox"/> out					Drive Positions:	
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty					_____ mm	Target (I251Y-R)
MCP MCP 0 (US):	V: 1450 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					_____ mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	y: 1850 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					_____ mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:		_____ e- torr	
Comments:							

Efficiency

With Blocker

MCP 0 33%
MCP 1 65%

Without Blocker

MCP 0 81%
MCP 1 79%
mult 0 81%
mult 1 83%

Transfer Conditions S 800 Singles, Beam 34Ar

Run #	MCP φ	MCP 1	Target
466	Forl 112 mm Voltage: 1.85 kV 1.9 kV	Forl 107.5 mm 1.85 kV	Mask 169.5 mm
467 467	Mask 112 mm 188 mm 1.95 eV	Forl mask 107.5 mm 1.85 kV	(K1) 134 mm
468	"		"
	De-focused DAQ Crashed		
469	Move 468 Data b/c DAQ Crashed		
470	"	Junk	"
471	"	Crashed	"
472	"	"	"

Experiment stops at 12:25 pm 12/13/14

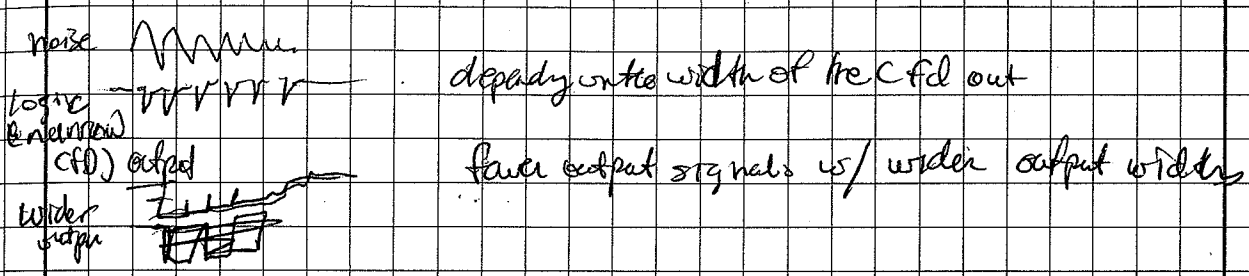
- ① close BS & WP. (Beam line to SB Control)
- ② close upstream gate valve
& S800 VAC (2212 GV see 14-15)
- ③ Turn down MCP voltages

Chamber vacuum: 6.2×10^{-6}

Summary of studies of the MCP scaler rates

We had 3 different scalers on the MCPs at the start of the run. They were MCP0-row, MCP1-row, MCP0-LIVE, MCP1-LIVE, MCP0-double, MCP1-double.

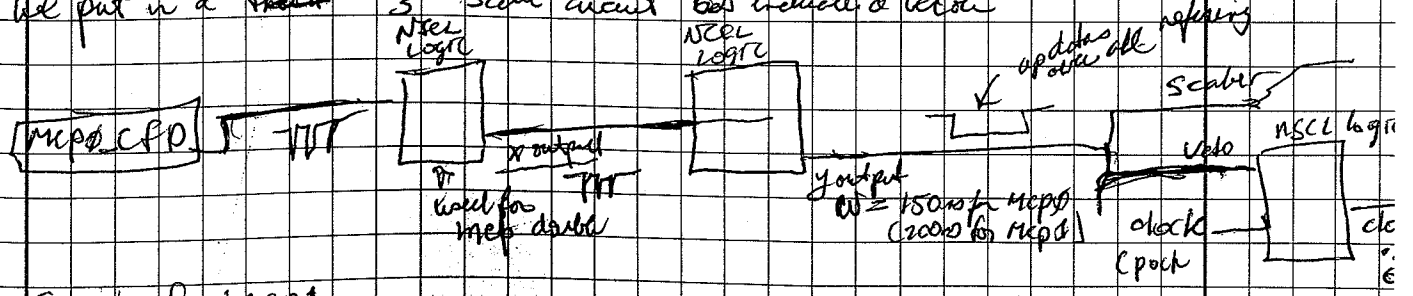
MCP0-row and MCP1-row counted at a high rate w/ no beam. This was due to the noise on the MCPs, depending on the width of the MCP's ~~the~~ CFD outputs, this noise was leading to a high rate of about 3.2×10^5 on MCP0-row and 8×10^4 on MCP0-LIVE.



The LIVE outputs MCP0-LIVE, MCP1-LIVE had an internal dead time which suppressed the other counts at large ~~high~~ rates. So the values at 0 beam were smaller.
 eg MCP0-LIVE = 8×10^4
 MCP0-row = 3×10^5
 Very small inter-pulse time separations

The double MCP-double counts the number of additional ~~counts~~ within these of ~~the~~ other. It does a coincidence between a pulse and a second pulse up to 1 usec later.
 It is supposed to

To remove the multiple firing on the noise and to assess the dead time from day had we put in a ~~dead~~ 30 scale circuit ~~and include a below~~



Similar for MCP1

⇒ This reduces the multiple firing at 0 beam to about $8 \times 10^4/s$. The typical electronic deadtime of this circuit is 5-6%. We should replace the pocket pulser with the CSF or all for a better det measure.

results of rate test

beam

Mepp - raw

$$3.2 \times 10^5 \text{ Hz}$$

live
Mepp - ~~raw~~

$$8 \times 10^4$$

$$LT = 1.0$$

mepp - has circuit

~~$$1.6 \times 10^5$$~~

$$9.6 \times 10^4$$

$$LT = 0.99$$

beam

~~$$8 \times 10^5 \text{ Hz}$$~~

$$6.8 \times 10^5 \text{ Hz}$$

$$4.5 \times 10^5 \text{ Hz}$$

$$LT = .95$$

computer

~~$$4.4 \times 10^4$$~~

$$4.4 \times 10^4$$

$$LT = 0.95$$

circuit Electronics
Live tm

Beam rate calculator

$$\frac{\text{Rate w/beam}}{LT \text{ w/beam}} - \frac{\text{Rate no beam}}{LT \text{ no beam}} = \text{Actual Rate}$$

for Raw ~~no~~ computer scaler $LT = 1$

$$6.8 \times 10^5 \text{ Hz} - 3.2 \times 10^5 \text{ Hz} = 3.6 \times 10^5 /s$$

w/out electronics live tm

~~for live time~~ does not correct for live tm

for beam $AT \text{ signal} = 40 \text{ ns} = 4 \times 10^{-8}$ $LT = 1 - Rate \cdot \Delta T$

$$\frac{6.8 \times 10^5}{1 - 4 \times 10^{-8} \cdot 6.8 \times 10^5} - \frac{3.2 \times 10^5}{1 - 4 \times 10^{-8} \cdot 3.2 \times 10^5} = (6.95 - 3.25) \times 10^5$$

$$= 3.6 \times 10^5 \text{ Hz}$$

for Live computer scaler

~~$$\frac{4.5 \times 10^5}{.95} - \frac{8 \times 10^4}{.95} = 4.7 \times 10^5 - 8 \times 10^4 = 3.9 \times 10^5 \text{ Hz}$$~~

for circuit

$$\frac{4.4 \times 10^4}{.95} - \frac{9.6 \times 10^4}{.99} = (4.63 - .97) \times 10^5 = 3.66 \times 10^5 /s$$

this is close. We should look scaler with the
circuit in place took new data w/ new 481-485

useful pointer needed
factor for Electronics dead time
we should use $LT = \text{cell}$ or instead.

Efficiency of MCP's

1. Looked at MCP's during normal run. The efficiency was poor. Efficiency of MCP's with voltages set to 1.95 kV MCP's =

— experimental method — a trigger scope w/ 5800 ^{singles} or with com count

◦ look at MCP analog and logic signal

◦ count events w/ and w/out MCP analog and logic.

— note ~~triggers~~ ^{triggers} w/out ^{MCP} logic could signify threshold too high or voltage too low

— triggers w/out analogue means MCP ~~failed~~ ^{on MCP Asett} broken or beam is not 3A

— results with blocker in place

5800 vs MCP1 analogue MCP1 is 65% efficient

5800 vs MCP0 analogue MCP0 is 33% efficient
2/3 of triggers have no discernible MCP

Are we missing MCP's? or are there light particles in the beam?

second test linear with no blocker — beam going directly into 5800

Analogue MCP0 = 81% eff

Analogue MCP1 = 80% eff

Disc. MCP0 = 80% eff

Disc MCP1 = 80%

What is going on?

v. 1 Run #	473	Date:	12-13-14	Start:	12:2	Stop:
Your Name:				Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi					
Run Type:	<input type="checkbox"/> Data	Singles:	(<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin.	Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)	Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	Sec.: _____ DS
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:				
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)		
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)		
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)		
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment & Brho:	Vacuum: _____ e- torr			
Comments:	DE Alpha run					

v. 1 Run #	474	Date:	12/13	Start:	0:39	Stop:
Your Name:	Sean	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi					
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin.	Ext.1	(<input type="checkbox"/> pulser <input checked="" type="checkbox"/> DE)	Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	Sec.: _____ DS
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:				
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)		
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)		
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)		
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment & Brho:	Vacuum: _____ e- torr			
Comments:	DE Alpha run short run, junk					

v. 1 Run #	475	Date:	12/13	Start:	2:48	Stop:
Your Name:	Sean	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi					
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin.	Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)	Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	Sec.: _____ DS
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:				
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)		
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)		
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)		
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment & Brho:	Vacuum: _____ e- torr			
Comments:	DE Alpha Run long run					

v. 1 Run #	476	Date:	12/13/14	Start:	14:06	Stop:	14:11
Your Name:	Justin	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS _____) <input type="checkbox"/> Sec.: _____ DS _____						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Data settings loaded Coarse ramp .1-1.5V ^{dE ramp} 15 steps 15s/steps						

v. 1 Run #	477	Date:		Start:		Stop:	
Your Name:	Justin	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS _____) <input type="checkbox"/> Sec.: _____ DS _____						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	dE fine ramp .1-.75V 15 steps 15s/step Data settings Title is wrong						

v. 1 Run #	478	Date:		Start:		Stop:	
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS _____) <input type="checkbox"/> Sec.: _____ DS _____						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	dE fine ramp .75V-1.75V 15 steps 15s/step Data settings						

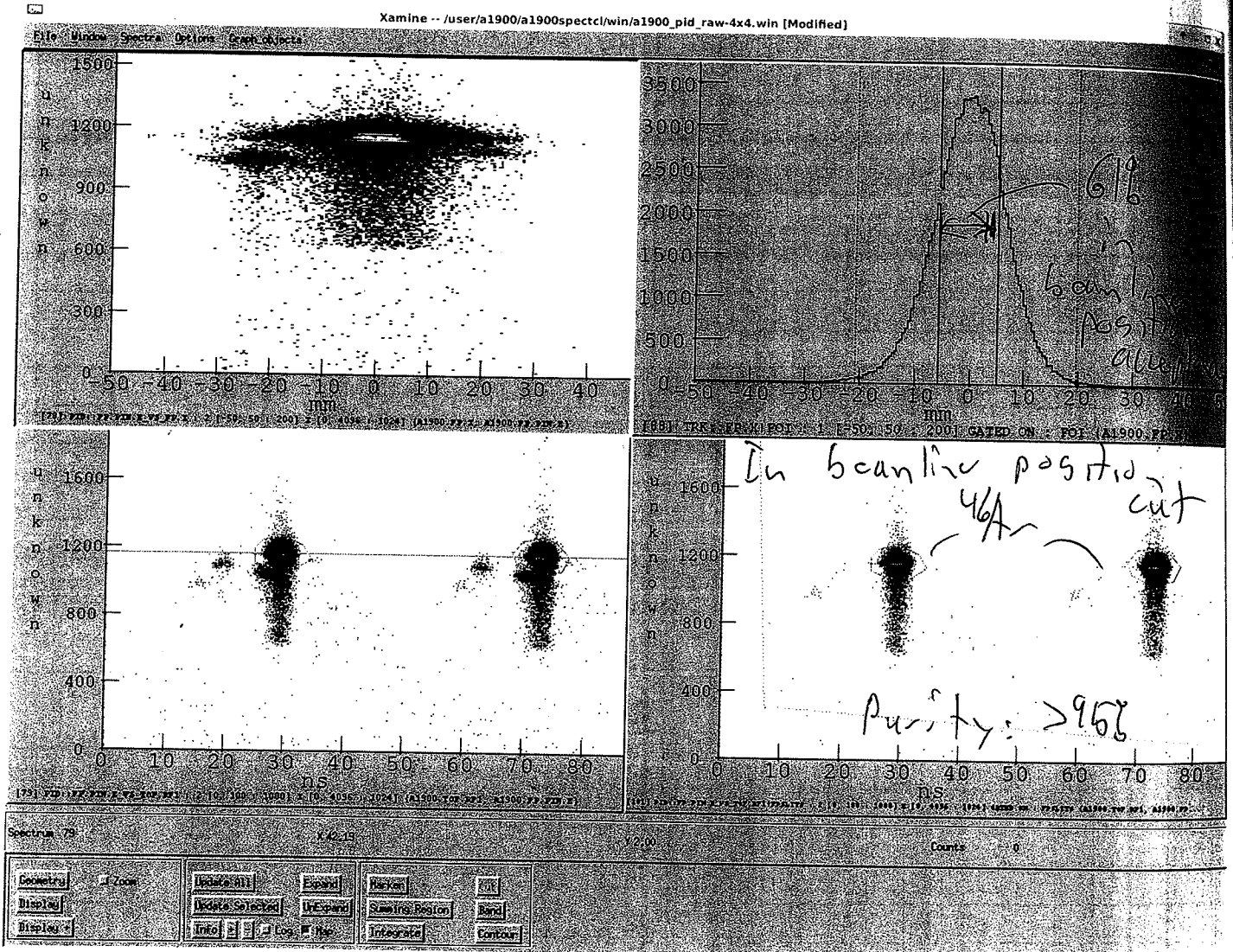
v. 1 Run #	479	Date:		Start:		Stop:		
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____								
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)			<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS			
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____					
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out		Drive Positions:					
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		_____ mm		Target (I251Y-R)			
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 0 (US) (I250Y-R)			
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 1 (DS) (I250X-R)			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments:	CSI Coarse pulser ramp .1-5V 9 steps 15s/step							

v. 1 Run #	480	Date:		Start:		Stop:		
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____								
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)			<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS			
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____					
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out		Drive Positions:					
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		_____ mm		Target (I251Y-R)			
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 0 (US) (I250Y-R)			
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 1 (DS) (I250X-R)			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments:	CSI Coarse pulser ramp 5-10V 7 steps 15s/step							

v. 1 Run #	481	Date:	12/13	Start:	15:31	Stop:		
Your Name:	Sean	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No					
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____								
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)			<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS			
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____					
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out		Drive Positions:					
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty		_____ mm		Target (I251Y-R)			
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 0 (US) (I250Y-R)			
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm MCP 1 (DS) (I250X-R)			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments:	E front coarse ramp 0.1 to 5V, 15 steps, 15s/step							

v. 1 Run # 482	Date: 12/13	Start: 15:31	Stop:
Your Name: Sean	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: <input type="checkbox"/> DS _____		
HIRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: E. Back Course Ramp 0.1 to 5V, 15 steps, 15 ¹/step			

A1900 RUN 6746
 46A at 0.5% A/p/p



In beamline position cut
 46A rate = 22,000 pps/pnt

$B_p = 3.144 \text{ Tm}$
 $= 70.34 \text{ MeV/r}$
 purity ~ 99.6%

Start of ⁴⁶Ar runs

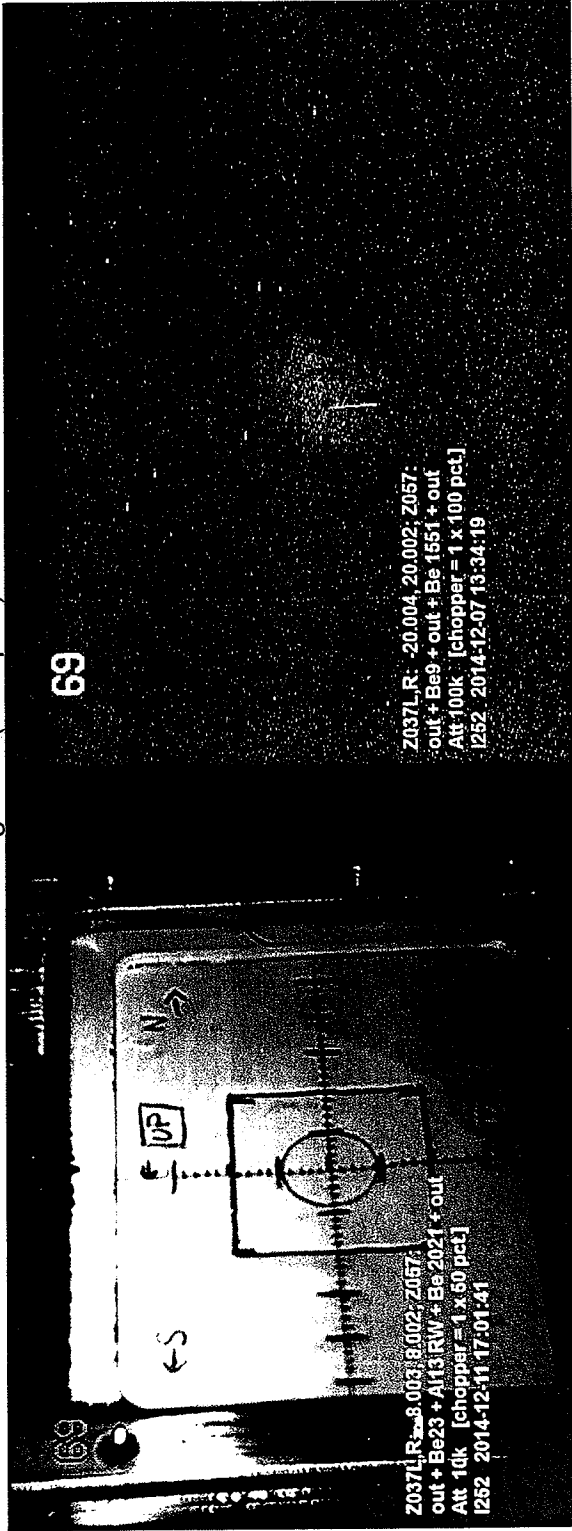
v. 1 Run #	483	Date:	12/15/14	Start:		Stop:	
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input type="checkbox"/> Sec.:	DS		
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> ⁴⁶ Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> Mask	<input type="checkbox"/> CH2 25 um <input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> CH2 75 um <input type="checkbox"/> Alpha	<input type="checkbox"/> out <input checked="" type="checkbox"/> Empty	Drive Positions:	240 mm Target (I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input checked="" type="checkbox"/> out	0 mm	MCP 0 (US) (I250Y-R)		
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input checked="" type="checkbox"/> out	0 mm	MCP 1 (DS) (I250X-R)		
MCP Voltage on?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum:	_____ e- torr	
Comments:	⁴⁶ Ar into S800 (centered for beam spot) Empty frame						

v. 1 Run #	484	Date:	12/15/14	Start:	13:55	Stop:	
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input type="checkbox"/> Sec.:	DS		
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> ⁴⁶ Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> Mask	<input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> CH2 75 um <input type="checkbox"/> Alpha	<input type="checkbox"/> out <input checked="" type="checkbox"/> Empty	Drive Positions:	85.0 mm Target (I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input checked="" type="checkbox"/> out	0 mm	MCP 0 (US) (I250Y-R)		
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input checked="" type="checkbox"/> out	0 mm	MCP 1 (DS) (I250X-R)		
MCP Voltage on?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum:	_____ e- torr	
Comments:	⁴⁶ Ar in S800, 25 um CH2 target						

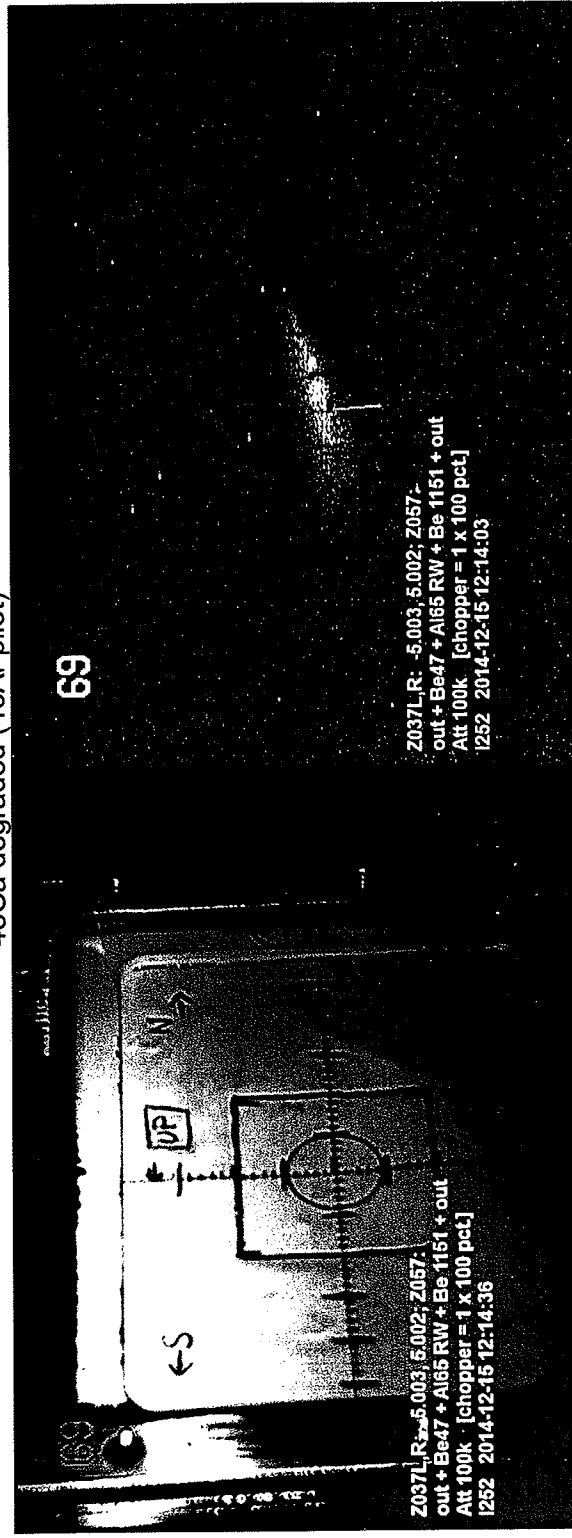
v. 1 Run #	485	Date:	12/13	Start:	14:05	Stop:	
Your Name:	Sean	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input type="checkbox"/> Sec.:	DS		
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> ⁴⁶ Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> Mask	<input type="checkbox"/> CH2 25 um <input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> CH2 75 um <input type="checkbox"/> Alpha	<input type="checkbox"/> out <input checked="" type="checkbox"/> Empty	Drive Positions:	143.574 mm Target (I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input checked="" type="checkbox"/> out	0 mm	MCP 0 (US) (I250Y-R)		
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input checked="" type="checkbox"/> out	0 mm	MCP 1 (DS) (I250X-R)		
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum:	_____ e- torr	
Comments:	⁴⁶ Ar in S800, Carbon target						

Camera Photos for Exp 09084
36Ar degraded (34Ar pilot)

82



48Ca degraded (46Ar pilot)



58

S800 Reaction setting

2014/12/15

Blaker position: $(CH_2)_n$ 25um : CT = 4.75
 Carbon : CT = 4.1

v. 1 Run #	486	Date:	12/15/14 12/15/14	Start:	14:33 14.27	Stop:	14.33	
Your Name:	Juan	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi								
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HIRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)			<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS _____			
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____					
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out		<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out		_____ mm	Target	(I251Y-R)		
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)		
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		_____ mm	MCP 1 (DS)	(I250X-R)	
Comments:			S800 singles, reaction setting		Vacuum: _____ e- torr			

v. 1 Run #	487	Date:	12/15/14	Start:	14:43	Stop:	14:49	
Your Name:	Juan	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi								
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HIRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)			<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS _____			
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____					
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out		<input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out		_____ mm	Target	(I251Y-R)		
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)		
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		_____ mm	MCP 1 (DS)	(I250X-R)	
Comments:			S800 singles, reaction setting - switch to C target		Vacuum: _____ e- torr			

2014-12-15 10:42:41

\\intranet\files\departments\operations\1900\projects\00064\000004_... Page 1 of 1

v. 1 Run #	488	Date:	12/15/14	Start:	~16:08	Stop:	16:10
Your Name:	Jon Barney	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS10						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) 0 mm MCP 0 (US) (I250Y-R) 0 mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: 1950 I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: 6.3 e-6 torr		
Comments:	Data trigger, MCPs turned on but not in, Debug						

v. 1 Run #	489	Date:	12/15/14	Start:	16:22	Stop:	16:44
Your Name:	Jon	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS10						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: 1950 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: 1850 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Data						

v. 1 Run #	490	Date:	12/15/14	Start:		Stop:	
Your Name:	Jenny	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input checked="" type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: DS10						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	CRDC mask calibration & HiRA Single						

Handwritten:
809

A1900 "Print15Dec14_14h05.txt" Monday 14:05:15 2014-12-15 A1900
 Moe_252 *** 46Ar to I253 production ***
 Expt: 09084 "Comp. of Spec. Factors from (p,d) & KO" [J. Lee] Line: S800 [8]
 Beam: 48 Ca 8+ 12.28 MeV/nuc (K500) 20+ 140 MeV/nuc (K1200) Chpr off
 <Att 10k> ECR, Apertures: ARTEMIS 150.0; 15.0; 17.5 mm RHVBI: 25.0000 kv
 K500 a,b: 662 A, 618 A K1200: 827 A, -60 A RF: 23.11780 MHz

A1900 Optics: L19S31_Focus60x30HiRA.data

Seg	Rigidity	Field	Radius	(live)	Difference (Field*Radius)
Seg 0:	4.23510 Tm				
Seg 1:	3.62400 Tm	1.17398 T	3.08679 m	3.08694 m	-0.00477 % (3.62383 Tm)
Seg 2:	3.62400 Tm	1.17442 T	3.08571 m	3.08577 m	-0.00202 % (3.62393 Tm)
Seg 3:	3.18000 Tm	1.03252 T	3.07980 m	3.07986 m	-0.00202 % (3.17994 Tm)
Seg 4:	3.18000 Tm	1.03179 T	3.08201 m	3.08204 m	-0.00088 % (3.17997 Tm)
Seg 5:	3.16210 Tm				
Seg 6:	3.14140 Tm				
Seg 7:	3.14140 Tm				
Seg 8:	3.14140 Tm				

A116DS	1.01360 T	3.11991 m	3.11967 m	0.00761 %
A132DS	-0.98100 T	3.22283 m	3.22334 m	-0.01593 %
A165DS	0.53710 T	5.88626 m	5.88736 m	-0.01862 %
I200DS	0.98803 T	3.17972 m	3.17946 m	0.00838 %
I205DS	1.02013 T	3.08026 m	3.07941 m	0.02741 %
I223DS	0.00000 T	3.07054 m	0.00000 m	100.00000 %
I228DS	0.98554 T	3.18905 m	3.18749 m	0.04883 %
I265DS	0.00000 T	2.80280 m	0.00000 m	100.00000 %
I269DS	0.00000 T	2.80280 m	0.00000 m	100.00000 %

Trim Coils: I265T (read) 96.61 (96.52) A; I269T 97.73 (97.69) A
 Slits: I181 XC,G,YC,G: 76.19, 84.40; -77.44, 84.58
 Z001TL: out, Z013TL: out; Z014TL out
 Z015TL: Be 1151, Z016TL out
 Z030BC Beam Stop: 94.76 mm
 Z037L,R: -20.00, 20.00 mm or -0.68, 0.68 width= 1.36 %; Z037DC: out
 Z057MS: 1%, Z061MS: 0.5%
 Z059DC: out, Z062SC: out, Z059TL: Al 450
 Z082 XC,G,YG: 0.16, 203.64, 202.16 mm Z082TL: out
 Z103DC: out, Z106DC: out, Z107DC_U/_L: out/out
 Z104DC-R -112.998 mm; .IRPOS 0; .STR1 115um BC400 #045
 Z105TL: out, Slits: ; PPACs: ; Z107 outlim: Y
 Z104 XC,G,YC,G: -0.00, 10.02; -0.04, 79.93 mm
 Slits: I181 XC,G,YC,G: 76.19, 84.40; -77.44, 84.58
 I187: BC-400 #55 132 um, I188: out, I189: out, I190: out
 I213: out, i214: out, I215: out, I216: out
 I214DC Det Drive: out; I255T: 6.84 B: 3.20 mm; Up/Dn Mask: out/out
 Scattering Chamber I250X-R/I250Y-R/I251Y-R [mm]: 0.0/ 0.0/193.5
 I259XM: -0.0013 XP: 0.0000 YM: 0.0000 YP: 1.7182

MagName	Ref[kG]	BSet[kG]	Ratio	(live)	Set[A]	Read[A]	DEVI
Z001DV	0.000	-0.691	-16321.80	-16321.80	-300.0000	-300.261	Z001DV
Z002DH	0.000	-1.711	-40403.44	-40403.44	-4.1715	-4.149	read Z002DH
Z003DV	0.000	0.858	20267.40	20267.40	2.0795	2.077	Z003DV
Z004QA	1.685	7.137	1.000000	1.000000	4.9877	4.981	Z004QA
Z005QB	-0.414	-1.753	1.000000	1.000000	-1.2234	-1.208	Z005QB
Z008DS	2.492	10.294	0.975442	0.975442	34.7993	34.915	Z008DS
Z011QA	-2.322	-10.327	1.050000	1.050000	-7.2320	-7.165	Z011QA
Z012QB	3.409	18.481	1.280000	1.280000	14.2795	14.210	Z012QB
Segment 1							
Z017TA	3.539	13.690	1.057000	1.057000	35.9429	36.074	Z017TA
Z019TB	-3.322	-12.240	1.010000	1.010000	-32.2281	-32.286	Z019TB
Z021TC	2.407	9.120	1.043000	1.043000	19.1043	19.167	Z021TC
Z026DS	3.226	11.653	0.996824	0.996824	71.9845	71.682	Z026DS
Z031TA	2.926	10.696	1.000000	1.000000	22.3669	22.463	Z031TA
Z033TB	-3.613	-13.208	1.000000	1.000000	-38.2466	-38.268	Z033TB
Z035TC	3.183	11.664	1.000000	1.000000	24.3749	24.477	Z035TC
Segment 2							
Z039TA	3.183	11.664	1.000000	1.000000	24.3799	24.477	Z039TA
Z041TB	-3.562	-13.016	1.000000	1.000000	-37.6660	-37.779	Z041TB
Z043TC	2.924	10.690	1.000000	1.000000	22.3061	22.402	Z043TC
Z048DS	-3.226	-11.727	1.003159	1.003159	-74.8722	-75.039	Z048DS
Z053TA	2.800	10.161	1.000000	1.000000	21.2627	21.242	Z053TA
Z055TB	-3.665	-13.453	1.000000	1.000000	-36.3270	-36.254	Z055TB
Z057TC	3.264	12.285	1.000000	1.000000	127.1053	126.951	Z057TC
Segment 3							
Z062TA	3.264	10.711	1.000000	1.000000	106.8231	106.626	Z062TA
Z064TB	-3.665	-11.763	1.000000	1.000000	-31.7749	-31.676	Z064TB

Z066TC	2.800	8.913	1.000000	1.000000	18.6623	18.679	Z066TC
Z071DS	-3.226	-10.251	0.999348	0.999348	-63.3724	-63.564	Z071DS
Z076TA	2.924	9.360	1.000000	1.000000	19.6209	19.656	Z076TA
Z078TB	-3.562	-11.394	1.000000	1.000000	-33.0279	-32.897	Z078TB
Z080TC	3.183	10.205	1.000000	1.000000	21.3423	21.304	Z080TC

Segment 4

Z084TA	3.097	10.113	1.019000	1.019000	21.1200	21.304	Z084TA
Z086TB	-3.403	-10.818	0.994000	0.994000	-31.3330	-31.310	Z086TB
Z088TC	2.767	9.020	1.018000	1.018000	18.8322	18.801	Z088TC
Z093DS	3.226	10.258	1.000000	1.000000	63.0963	63.051	Z093DS
Z098TA	2.501	7.873	0.978000	0.978000	16.4653	16.360	Z098TA
Z100TB	-3.039	-9.378	0.965000	0.965000	-24.6704	-24.657	Z100TB
Z102TC	1.454	4.141	0.903000	0.903000	10.8806	10.927	Z102TC

Segment 5

A108TA	2.685	8.490	1.000000	1.000000	5.9369	5.955	A108TA
A110TB	-3.800	-11.920	0.992000	0.992000	-8.3815	-8.355	A110TB
A112TC	2.931	9.239	0.997000	0.997000	6.4638	6.444	A112TC
A116DS	3.220	10.072	0.989211	0.989211	87.0067	87.215	A116DS
A121QA	3.283	10.380	1.000000	1.000000	7.2695	7.274	A121QA
A123QB	-1.070	-3.385	1.000000	1.000000	-2.3629	-2.353	A123QB
A125QA	-2.328	-7.362	1.000000	1.000000	-5.1450	-5.150	A125QA
A127QB	2.765	8.743	1.000000	1.000000	6.1149	6.130	A127QB
A132DS	-3.125	-9.790	0.990815	0.990815	-84.5177	-84.463	A132DS
A136DV	0.000	0.000	0.000-00	0.000-00	0.0000	-0.000	A136DV
A139QA	-2.229	-7.047	1.000000	1.000000	-4.9248	-4.927	A139QA
A141QB	1.979	6.258	1.000000	1.000000	4.3729	4.381	A141QB
A145DH	0.000	0.000	0.000-00	0.000-00	0.0000	-0.000	A145DH
A157QA	-1.983	-6.270	1.000000	1.000000	-4.3812	-4.382	A157QA
A159QB	2.106	6.659	1.000000	1.000000	4.6530	4.642	A159QB
A165DS	1.708	5.398	0.999315	0.999315	46.3053	46.057	A165DS
I170DH	0.000	-0.027	-853.5467	-853.5467	-2.5000	-2.745	I170DH
I172QA	1.483	4.689	1.000000	1.000000	3.2744	3.268	I172QA
I174QB	-1.804	-5.704	1.000000	1.000000	-3.9854	-3.961	I174QB
I184QA	2.574	8.138	1.000000	1.000000	5.6898	5.705	I184QA
I186QB	-4.025	-12.729	1.000000	1.000000	-8.9901	-8.982	I186QB

Segment 6

I191TA	5.080	16.216	1.000000	1.000000	20.5370	20.664	I191TA
I193TB	-5.274	-17.054	1.000000	1.000000	-21.8408	-21.649	I193TB
I195TC	2.553	7.963	1.000000	1.000000	9.7258	9.905	I195TC
I197DH	0.000	0.000	0.000-00	0.000-00	0.0000	0.006	I197DH
I200DS	3.243	9.812	0.963247	0.963247	46.7475	46.750	I200DS
I205DS	3.243	10.125	0.993990	0.993990	48.3261	48.399	I205DS
I209TA	0.661	1.937	1.000000	1.000000	2.3676	2.489	I209TA
I210TB	-4.269	-13.448	1.000000	1.000000	-16.6231	-16.580	I210TB
I211TC	5.437	17.494	1.000000	1.000000	22.5750	22.653	I211TC

Segment 7

I216TA	5.437	17.494	1.000000	1.000000	22.5750	22.597	I216TA
I217TB	-4.269	-13.448	1.000000	1.000000	-16.6231	-16.378	I217TB
I218TC	0.661	1.937	1.000000	1.000000	2.3676	2.363	I218TC
I223DS	-3.243	-10.175	0.998883	0.998883	-48.5766	-48.568	I223DS
I228DS	-3.243	-9.772	0.959315	0.959315	-46.5462	-46.376	I228DS
I231DH	0.000	0.066	2087.220	2087.220	2.9804	2.795	I231DH
I232TA	-0.986	-2.913	1.000000	1.000000	-3.5572	-3.482	I232TA
I234TB	2.856	7.988	1.000000	1.000000	9.7557	9.705	I234TB
I236TC	-3.303	-9.774	1.000000	1.000000	-11.9575	-11.973	I236TC
I241TA	2.237	7.019	1.000000	1.000000	8.5750	8.645	I241TA
I243TB	-1.550	-3.935	0.800000	0.800000	-4.8036	-4.640	I243TB
I245TC	0.861	2.749	1.000000	1.000000	3.3571	3.437	I245TC

Segment 8

I256QA	-5.847	-11.627	0.633000	0.633000	-33.0283	-33.010	I256QA
I258QB	3.603	8.002	0.707000	0.707000	33.1484	33.111	I258QB
I265DS	3.559	11.172	0.999211	0.999211	222.1000	222.550	I265DS
I269DS	3.559	11.196	1.001314	1.001314	224.6668	224.454	I269DS

MagName	Ref[kG]	BSet[kG]	Ratio	(live)	Set[A]	Read[A]	DEVI
Z021SX	0.000	0.000	1.000000	1.000000	0.0006	0.063	Z021SX
Z031SX	0.400	1.450	1.000000	1.000000	23.4392	23.562	Z031SX
Z033SX	-0.324	-1.174	1.000000	1.000000	-18.9862	-18.980	Z033SX
Z035SX	0.000	0.000	1.000000	1.000000	0.0006	0.063	Z035SX
Z039SX	0.000	0.000	1.000000	1.000000	0.0006	0.063	Z039SX
Z041SX	-0.324	-1.174	1.000000	1.000000	-18.9862	-18.980	Z041SX
Z043SX	0.400	1.450	1.000000	1.000000	23.4392	23.440	Z043SX
Z053SX	0.013	0.046	1.000000	1.000000	0.7508	0.795	Z053SX
Z066SX	0.014	0.046	1.000000	1.000000	0.7411	0.856	Z066SX
Z076SX	0.440	1.399	1.000000	1.000000	22.6250	22.646	Z076SX

8 b

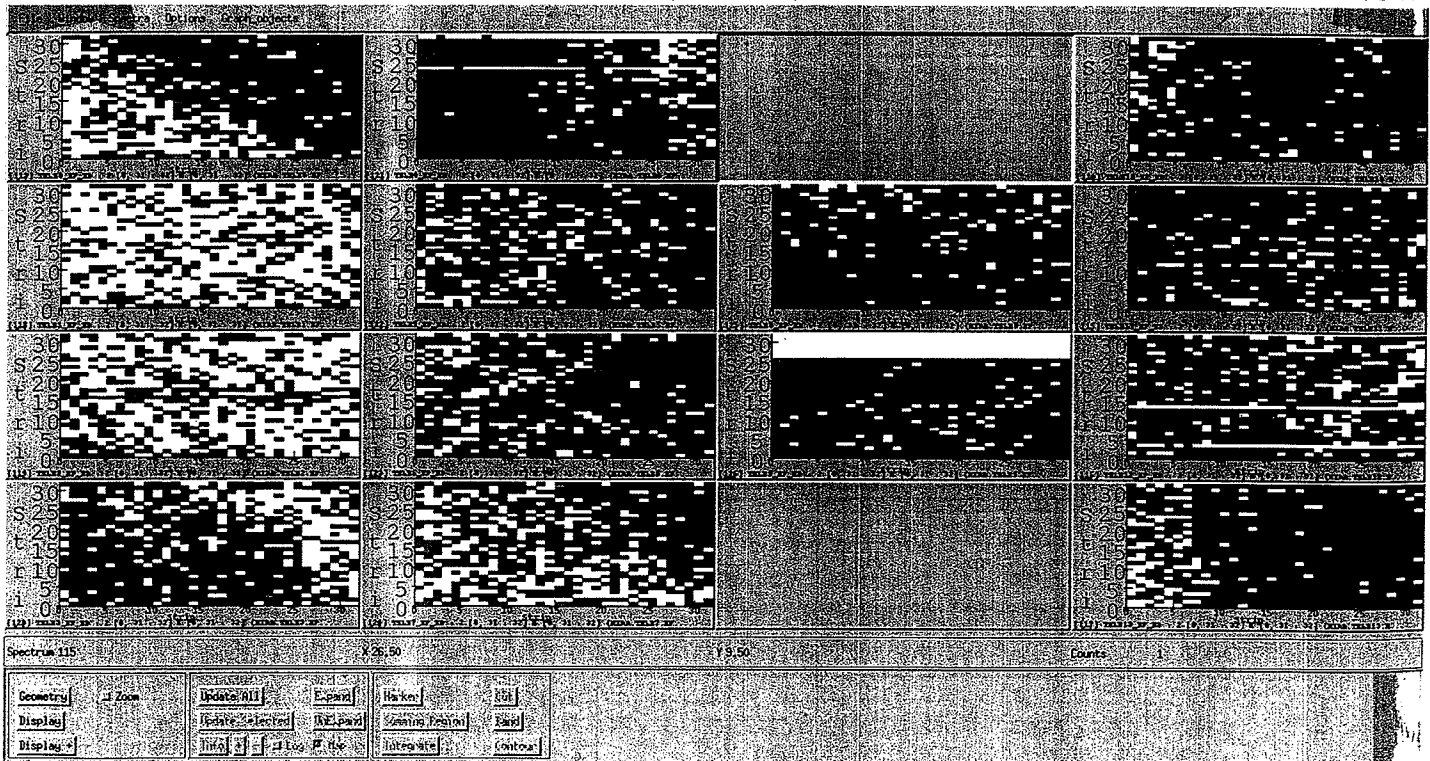
Z078SX	-0.316	-1.005	1.000000	1.000000	-16.2488	-16.234	Z078SX
Z080SX	0.000	0.000	1.000000	1.000000	0.0005	0.063	Z080SX
Z084SX	0.000	0.000	1.000000	1.000000	0.0005	0.063	Z084SX
Z086SX	-0.316	-1.005	1.000000	1.000000	-16.2488	-16.295	Z086SX
Z088SX	0.440	1.399	1.000000	1.000000	22.6250	22.585	Z088SX
Z098SX	0.000	0.000	1.000000	1.000000	0.0005	0.063	Z098SX
I257SX	0.000	0.000	1.000000	0.000-00	0.0000	-0.007	I257SX
Z021MC	0.000	0.000	1.000000	1.000000	0.0004	0.025	Z021MC
Z031MC	0.000	0.000	1.000000	1.000000	0.0004	0.025	Z031MC
Z033MC	-0.240	-0.870	1.000000	1.000000	-10.5209	-10.425	Z033MC
Z035MC	0.000	0.000	1.000000	1.000000	0.0004	0.013	Z035MC
Z039MC	0.000	0.000	1.000000	1.000000	0.0004	0.000	Z039MC
Z041MC	-0.240	-0.870	1.000000	1.000000	-10.5209	-10.425	Z041MC
Z043MC	0.000	0.000	1.000000	1.000000	0.0004	0.025	Z043MC
Z053MC	0.000	0.000	1.000000	1.000000	0.0004	0.000	Z053MC
Z066MC	0.000	0.000	1.000000	1.000000	0.0004	0.025	Z066MC
Z076MC	0.000	0.000	1.000000	1.000000	0.0004	0.013	Z076MC
Z078MC	-0.240	-0.763	1.000000	1.000000	-9.2319	-9.155	Z078MC
Z080MC	0.000	0.000	1.000000	1.000000	0.0004	0.025	Z080MC
Z084MC	0.000	0.000	1.000000	1.000000	0.0004	-0.012	Z084MC
Z086MC	-0.240	-0.763	1.000000	1.000000	-9.2319	-9.192	Z086MC
Z088MC	0.000	0.000	1.000000	1.000000	0.0004	0.025	Z088MC
Z098MC	0.000	0.000	1.000000	1.000000	0.0004	0.025	Z098MC

8JC

v. 1 Run # 491	Date: 12/15/14	Start: 16:57	Stop: 17:00
Your Name:	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type:	<input type="checkbox"/> Data Singles: (<input checked="" type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS 1		
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) 247.6 mm MCP 1 (DS) (I250X-R)	
MCP MCP 0 (US):	V: 1950 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		
MCP 1 (DS):	V: 1850 I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: CRDC2 Mask + HIRA singles - MCP1 foil switched from C to CH2			

12/15/14: An oddity in the hit pattern (EF vs EB) was noticed. There seems to be some sort of shadowing/scattering effect (see below). Based on looking at pictures, and also the fact that this effect is the same even if both MCP ladders removed and the empty target slot in, we think we are scattering beam off the MCP shield (or perhaps the target frame itself). T. Baumann called in to try to rectify.

Xamine -- /user/e09084/SpecTcl/win-files/hitpattern.win



v. 1 Run #	402	Date:	12/15/14	Start:	18:58	Stop:	19:21
Your Name:	Jon	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input checked="" type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.: _____ DS _____			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input checked="" type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		31 mm Target (I251Y-R)			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			_____ mm MCP 0 (US) (I250Y-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out			_____ mm MCP 1 (DS) (I250X-R)			
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments: Redo CRDC1 to get more counts, blocker at 435 au							

v. 1 Run #	403	Date:	12/15/14	Start:	19:21	Stop:	
Your Name:	Jon	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input checked="" type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.: _____ DS _____			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input checked="" type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		31 mm Target (I251Y-R)			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			_____ mm MCP 0 (US) (I250Y-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out			_____ mm MCP 1 (DS) (I250X-R)			
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments: CRDC 2, blocker at 422 au							

~21:30: T. Baumann returned beam to max central location, scattering effect no longer seen. We are tentatively ready to take data.

v. 1 Run #	494	Date:	12/15/14	Start:	21:34	Stop:	
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin.	<input checked="" type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS 10
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	83 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 247.6 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	3.080		Vacuum:	_____ e- torr	
Comments:	Data (No DE Bias)						

MCP0 Electronics LIVE (no beam): ~ 10400
 MCP1 Electronics LIVE (no beam): ~

v. 1 Run #	495	Date:	12/15/14	Start:	22:11	Stop:	
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin.	<input checked="" type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS 10
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	83 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 247 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum:	_____ e- torr	
Comments:	Data (with DEs biased)						

v. 1 Run #	496	Date:	12/15/14	Start:	23:35	Stop:	
Your Name:	Jenny	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS _____
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	83 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 247 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum:	_____ e- torr	
Comments:	Normal Data taken						

12/16/14, ~1 am

The QDC gate was double firing, so we widened the gate and fed it into itself as a veto, thereby eliminating the double firing. The width ~~is~~ is $\sim 1.4 \mu\text{s}$ after the start of the QDC gate.

There is still a problem though: triggers in the MCP (ie QDC gates) do not correspond necessarily to master triggers. This potentially makes sense, ~~depend~~ assuming that there is a "fast clear" for each QDC gate that does not correlate with a master trigger.

Upon investigation, we found that the FC does sometimes occur w/ a master. So, we added 200 ns of delay to the FC and widened the master from 200 to 500 ns.

This helps, but we still sometimes see a fast clear when the master is early or delayed.

So, we widen the master even more to 1 μs . Also, we input this master to the fast busy to make sure we don't take data during the master.

v. 1 Run #	497	Date:	12/16/14	Start:	1:10	Stop:	1:20
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____		DS	
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	Target	(I251Y-R)	
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		_____ mm	MCP 1 (DS)	(I250X-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No				S800 Segment 8 Brho:		Vacuum: _____ e- torr	
Comments: Went to change QDC gate and fix double firing							

v. 1 Run #	498	Date:	12/16/14	Start:	3:36	Stop:	3:43
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: _____		DS 10	
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	Target	(I251Y-R)	
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		_____ mm	MCP 1 (DS)	(I250X-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No				S800 Segment 8 Brho:		Vacuum: _____ e- torr	
Comments: beam rate reduced first data run after fixing QDC gate Bill & Juan still checking fast clear							

v. 1 Run #	499	Date:	12/16/14	Start:	3:43	Stop:	3:47
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: _____		DS	
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		830 mm	Target	(I251Y-R)	
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		112 mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		2436 mm	MCP 1 (DS)	(I250X-R)	
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				S800 Segment 8 Brho: 3.0800		Vacuum: 6.2 e-6 torr	
Comments: Beam increased I255 slit changed to 4.65							

v. 1 Run #	500	Date:	12/16/14	Start:		Stop:	
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)	<input checked="" type="checkbox"/> Sec.:	DS 10			
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	83 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 247.6 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	3.0800		Vacuum:	e- torr	
Comments:	Data						

v. 1 Run #	501	Date:	12/16/14	Start:	5:31	Stop:	6:17
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)	<input checked="" type="checkbox"/> Sec.:	DS 10			
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	83 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 247.6 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum:	e- torr	
Comments:	Data Stopped taking in data						

v. 1 Run #	502	Date:		Start:		Stop:	
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input checked="" type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)	<input type="checkbox"/> Sec.:	DS			
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum:	e- torr	
Comments:	Not taking in data u6pc5 crashed						

v. 1 Run #	503	Date:	12/16/14	Start:		Stop:	
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS 10			
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments:	Restarted ubpc5 password: ubpc5 Rigidity1						

Password for S3 Vault computers: Rigidity01

v. 1 Run #	504	Date:	12/16	Start:	7:50	Stop:	9:52
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS 16			
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments:	Data run						

v. 1 Run #	505	Date:	12/16	Start:	8:55	Stop:	9:24
Your Name:	Sean	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input checked="" type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input type="checkbox"/> Sec.:	DS _____			
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments:	CRDC 2 Mask Run						

v. 1 Run #	506	Date:	12/16	Start:	9:27	Stop:	9:51
Your Name:	Sean	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS) <input type="checkbox"/> Sec.: DS						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: e- torr		
Comments:	CRDC 1 Mask Run						

v. 1 Run #	507	Date:	12/16	Start:	9:57	Stop:	10:34
Your Name:	Sean	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS) <input checked="" type="checkbox"/> Sec.: DS 6						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: e- torr		
Comments:	Data Run						

v. 1 Run #	508	Date:	12/16/14	Start:	10:36	Stop:	11:34
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input checked="" type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS) <input checked="" type="checkbox"/> Sec.: DS 6						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: e- torr		
Comments:	Data, MCPs removed to get rid of strange noise in FC						

v. 1 Run #	509	Date:	12/15/14	Start:	11:35	Stop:	12:07
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <u>10</u>						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm Target (I251Y-R)			
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm MCP 0 (US) (I250Y-R)			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Date						

v. 1 Run #	510	Date:	12/16/14	Start:	13:03	Stop:	14:20
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <u>10</u>						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions:			
MCP MCP 0 (US):	V: <u>1962</u> I: <u>75.5 uA</u> <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			<u>83</u> mm Target (I251Y-R)			
MCP 1 (DS):	V: <u>1850</u> I: <u>60.3 uA</u> <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			<u>112</u> mm MCP 0 (US) (I250Y-R)			
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Date						

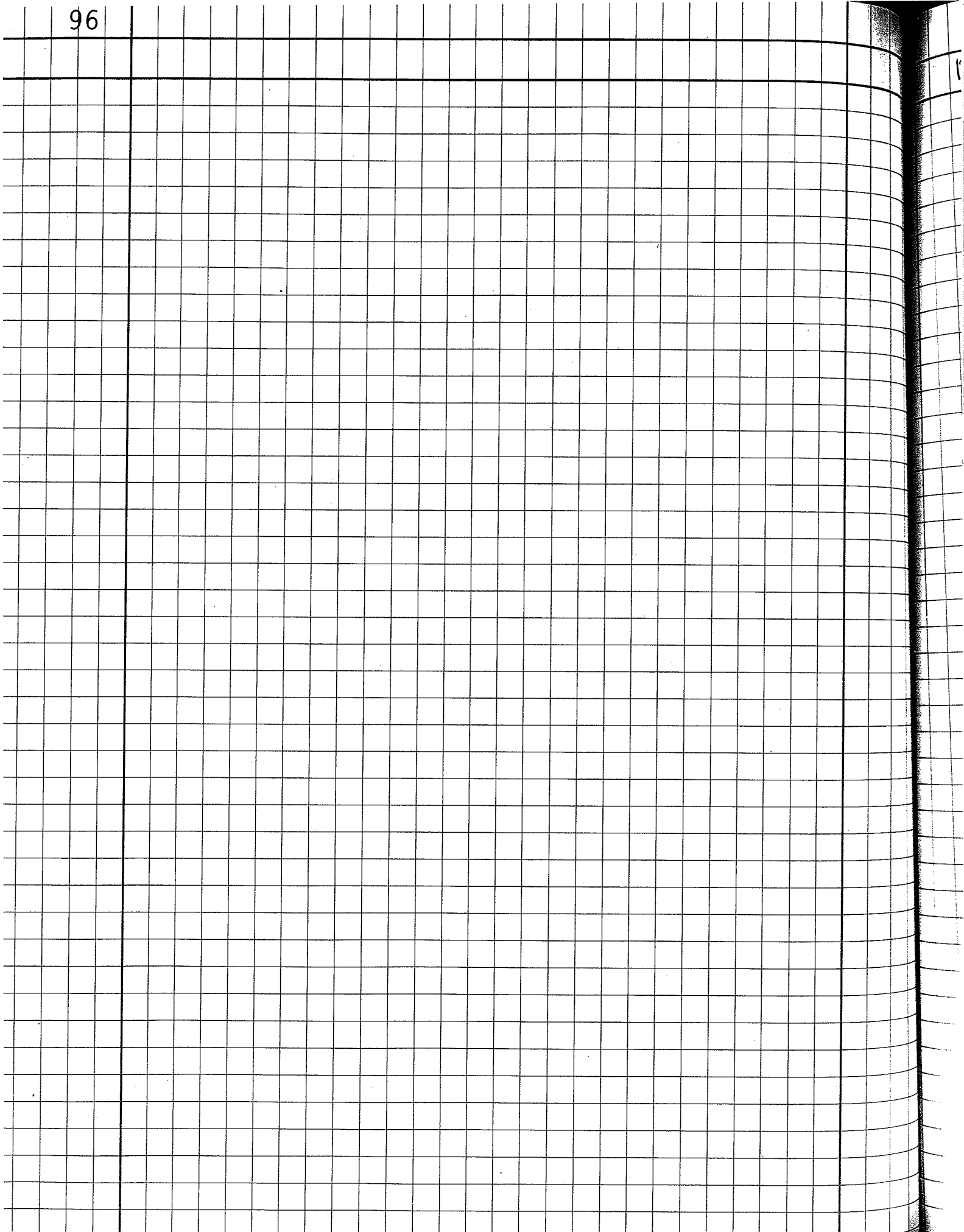
v. 1 Run #	511	Date:	12/16/14	Start:	14:30	Stop:	16:07
Your Name:	Kyle	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input checked="" type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <u>10</u>						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions:			
MCP MCP 0 (US):	V: <u>1950</u> I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			<u>83</u> mm Target (I251Y-R)			
MCP 1 (DS):	V: <u>1850</u> I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			<u>112</u> mm MCP 0 (US) (I250Y-R)			
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Date						

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v. 1 Run #	512	Date:	12/16/14	Start:	16:07	Stop:	
Your Name:	Chen	Built data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin		<input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS _____)		<input checked="" type="checkbox"/> Sec.: DS10
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) 112. mm MCP 0 (US) (I250Y-R) 247.6 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Data						

v. 1 Run #	513	Date:	12/16/14	Start:		Stop:	
Your Name:	Chen	Built data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin		<input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS _____)		<input checked="" type="checkbox"/> Sec.: DS10
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Data ... run stopped AF shut ff. "5:00 vacuum spike"						

v. 1 Run #	514	Date:	12/16/2014	Start:	20:15	Stop:	20:16
Your Name:	Chen	Built data?		<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin		<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____)		<input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS _____)		<input type="checkbox"/> Sec.: DS _____
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input checked="" type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: 83. mm Target (I251Y-R) 112. mm MCP 0 (US) (I250Y-R) 247.6 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	MCP 00 Pulser Test. Fast clear fixed.						

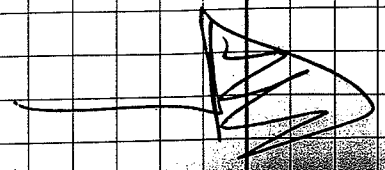


12/16/14

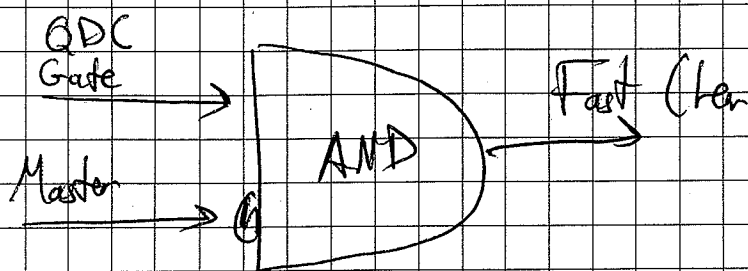
While investigating the strange noise in the fast clear (FC) signal (which we think is due to a bad FIFO module and is not a big ~~data~~ problem), we discovered an error in the FC circuit, unrelated to the adjustments made yesterday.

The circuit was set up such that if the FC was generated, it was sent through an ECL-NIM converter before being fed to the QDC FC input. The QDC is a CAEN V792N, which takes a NIM input to the FC input. This is different from a CAEN V792 QDC, which takes a differential ECL. Confusion between the V792 and the V792N resulted in this error.

As a test, we used a pocket pulser to determine if the ECL FC worked. The pocket pulser was put into both position and time circuits for MEPO (for position, MEPO_0). Then the DAQ was started w/ External 2 as trigger and the downscale in the vault set to ~~200~~ 1×200 (for a master trigger rate of about 50).



The pulse was seen on the ID spectra (see Run 514) at ~ 3000 channels on high gain and ~ 500 channels on low gain. This is as expected. Then the master trigger was removed from the FC logic. Since the FC is activated in the absence of the master trigger (see below), this



configuration should result in all MCP data being cleared. Instead, we see no change from before: the spectra still get filled by counts from the pocket pulses. This means the FC is not taking effect.

We try the same test by removing the ECL-NIM converter from the circuit and directly putting the NIM signal FC into the QDC. When we generate the FC by removing the master, we see no counts in the MCP spectra. This means the FC works now.

In conclusion, we changed the FC circuit by removing the ECL-NIM converter from the circuit. The FC circuit works now and will be used for the remainder of the experiment.

At some point, we would like to run a pattern ramp over ~~the~~ each MCP channel.

v. 1 Run #	515	Date:	12/16/2014	Start:	20:52	Stop:	21:00
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40k)		Sec.: _____ DS		
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out		<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:		
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	Target	(I251Y-R)
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: MCP singles, fixed fast clear.							

v. 1 Run #	516	Date:	12/16/2014	Start:	21:01	Stop:	21:22
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data		Singles: (<input checked="" type="checkbox"/> HIRA <input checked="" type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.: _____ DS		
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out		<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:		
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	Target	(I251Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: Coinidence trigger debug, PC fixed							

v. 1 Run #	518	Date:	12/16/2014	Start:	21:24	Stop:	21:28
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data		Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.: _____ DS		
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out		<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:		
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	Target	(I251Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: Data w/ PC fixed							

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v.1 Run #	518	Date:	12/16/2014	Start:		Stop:	23:44
Your Name:	Chen	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS _____	
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		<input type="checkbox"/> _____	
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um		<input type="checkbox"/> out		Drive Positions:	
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha	<input type="checkbox"/> Empty				_____ mm Target (I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:		_____ e- torr	
Comments:							

v.1 Run #	519	Date:	12/16/2014	Start:	23:45	Stop:	
Your Name:	Chen	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS _____	
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		<input type="checkbox"/> _____	
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um		<input type="checkbox"/> out		Drive Positions:	
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha	<input type="checkbox"/> Empty				_____ mm Target (I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:		_____ e- torr	
Comments:							

5 MCP / ~4,000 Master trigger events

Bill thinks these are Rate of failure of clean system

v. 1 Run #	520	Date:	12/18/14	Start:		Stop:	
Your Name:	Justin		17	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	CRDC	<input checked="" type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)	<input checked="" type="checkbox"/> Sec.:	DS	10		
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:	83 mm	Target	(I251Y-R)		
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		112 mm	MCP 0 (US)	(I250Y-R)		
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		247.6 mm	MCP 1 (DS)	(I250X-R)		
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:	6.0 e-6 torr		
Comments:	Test of fastclear circuit should be NO Data						

v. 1 Run #	521	Date:	12/18/14	Start:	1:00	Stop:	2:30
Your Name:	Justin		17	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)	<input checked="" type="checkbox"/> Sec.:	DS	10		
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:	83 mm	Target	(I251Y-R)		
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		112 mm	MCP 0 (US)	(I250Y-R)		
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		247.6 mm	MCP 1 (DS)	(I250X-R)		
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:	e- torr		
Comments:	Data after fastclear tests						

v. 1 Run #	522	Date:	12/17/14	Start:	2:32	Stop:	4:07
Your Name:	Justin			Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)	<input checked="" type="checkbox"/> Sec.:	DS	10		
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:	83 mm	Target	(I251Y-R)		
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		112 mm	MCP 0 (US)	(I250Y-R)		
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		247.6 mm	MCP 1 (DS)	(I250X-R)		
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:	e- torr		
Comments:							

v. 1 Run #	523	Date:	12/17/14	Start:	4:07	Stop:	5:40
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS 10			
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments:	Data						

v. 1 Run #	524	Date:	12/17/14	Start:	5:40	Stop:	7:08
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS 10			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments:	Data						

v. 1 Run #	525	Date:	12/17/2014	Start:	3:08	Stop:	8:43
Your Name:	Chen.	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS 10			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments:	Data.						

~~Comments: Data for, stopped to switch to C target settings~~

RUN 526 next page (Han)

v. 1 Run # 527	Date: 12/17	Start: 9:32	Stop:
Your Name: Sean	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input checked="" type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: _____ DS <input type="checkbox"/> 0
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		
<input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm ²) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: Carbon target reaction run, DAQ crashed, maybe junk			

v. 1 Run # 528	Date: 12/17	Start:	Stop:
Your Name: Juan	Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: _____ DS <input type="checkbox"/> 0
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		
<input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm ²) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: C target reaction run, attenuator x3 (XFP ~200 K)			

When running w/ the C target at full beam, HiRA scales were rather high (~3000 CsI OR 2 ORs raw). The hit pattern (EF vs EB) and PID look reasonable which suggests that the problem is not the beam hitting HiRA. It's possible we're hitting the target frame on the C target mount. For now, we run w/ attenuator x3 (~1000 CsI OR 2 ORs).

v.1 Run #	529	Date:	12/17/14	Start:	10:57	Stop:	11:26
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <input checked="" type="checkbox"/>						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	C target reaction, removed Ext. 2 from trigger, attn x3						

v.1 Run #	530	Date:	12/17/14	Start:	11:27	Stop:	
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <input checked="" type="checkbox"/>						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	C target run, attn removed, XFP ~ 500 k						

Note: ~~DE~~ ORs did not properly turn off last night, but now I have turned them off (after run 530)

v. 1 Run #	531	Date:	12/17/14	Start:	12:40	Stop:	13:20
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <input type="checkbox"/>						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Data w/ dE ORs removed, run stopped to have to MCP mesh						

Blocker position (S800)
 CT: 5.45 for the Carbon target Reaction Run

Blocker changed to 6.2 au

Beam Rate ~20k

v. 1 Run #	532	Date:	12/17/14	Start:	13:29	Stop:	13:
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input checked="" type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: 169.52 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	MCP Calibration target mask						

V. YC AI R S F T

T. Baumann defocused beam, 12/17/14, ~ 13:45
Beam rate ~ 2pk

v. 1 Run #	533	Date:	12/17/14	Start:	13:50	Stop:	14:50
Your Name:	Juan	Built data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800	<input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS	<input type="checkbox"/> Sec.:	DS	
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input checked="" type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	169.52 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: 1.952 kV	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: 1.850 kV	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: MCP cal, target mask, defocused beam							

v. 1 Run #	534	Date:	12/17/14	Start:	14:03	Stop:	14:13
Your Name:	Juan	Built data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800	<input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS	<input type="checkbox"/> Sec.:	DS	
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input checked="" type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	169.52 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: 2.000 kV	I: 0.062 mA	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: 1.900 kV	I: 77 uA	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: MCP cal, target mask, defocused beam, +50 V for both							

v. 1 Run #	535	Date:	12/17/14	Start:	14:23	Stop:	14:33
Your Name:	Juan	Built data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800	<input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS	<input type="checkbox"/> Sec.:	DS	
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input checked="" type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	310 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: 2.00 kV	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: 1.90 kV	I: _____	<input type="checkbox"/> foil	<input checked="" type="checkbox"/> mask	<input type="checkbox"/> out	183.5 mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: MCP Mask cal, viewer target							

v. 1 Run #	536	Date:	12/17/14	Start:	14:35	Stop:	14:46
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input checked="" type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: 31.0 mm Target (I251Y-R)			
MCP MCP 0 (US):	V: 2050 I: 79 uA <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm MCP 0 (US) (I250Y-R)			
MCP 1 (DS):	V: 1950 I: 63 uA <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out			183.5 mm MCP 1 (DS) (I250X-R)			
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	MCP1 Mask, +50V						

v. 1 Run #	537	Date:	12/17/14	Start:	14:48	Stop:	14:49
Your Name:	Jenny	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input checked="" type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input checked="" type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: 31.0 mm Target (I251Y-R)			
MCP MCP 0 (US):	V: 2050 I: 74 uA <input checked="" type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out			_____ mm MCP 0 (US) (I250Y-R)			
MCP 1 (DS):	V: 1950 I: 63 uA <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out			183.5 mm MCP 1 (DS) (I250X-R)			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	MCP1 Mask +50V (to 21kV, 20kV), MCP0 Tripped						

Run 537 is Junk

v. 1 Run #	538	Date:	12/17/14	Start:	14:56	Stop:	
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input checked="" type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: 31.0 mm Target (I251Y-R)			
MCP MCP 0 (US):	V: 2050 I: 79 uA <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			188.0 mm MCP 0 (US) (I250Y-R)			
MCP 1 (DS):	V: 1950 I: 63 uA <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			247.6 mm MCP 1 (DS) (I250X-R)			
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	MCP0 Mask, back to voltage from 536						

v.1 Run #	530	Date:	12/17/14	Start:	15:33	Stop:	16:00
Your Name:	Jon	Built data?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)		<input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS)		<input type="checkbox"/> Sec.: DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input checked="" type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	31 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: 2050	I: 79 mA	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		112 mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: 1950	I: 63 mA	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		183.5 mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: 6.2 e-6 torr		
Comments: MCP 1 Mask							

Run 540 Junk

v.1 Run #	541	Date:	12/17/14	Start:	16:05	Stop:	16:15
Your Name:	Jon	Built data?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input checked="" type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)		<input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS)		<input type="checkbox"/> Sec.: DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input checked="" type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	181.5 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: 2050	I: 79 mA	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		112 mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: 1950	I: 63 mA	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		247.6 mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: e- torr		
Comments: Target mask calibration							

v.1 Run #	542	Date:	12/17/2014	Start:	16:07	Stop:	16:21
Your Name:	Chen	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)		<input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS)		<input type="checkbox"/> Sec.: DS		
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input checked="" type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	181.5 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: e- torr		
Comments: Target mask calibration							

v. 1 Run #	543	Date:	12/17/2014	Start:	16:24	Stop:	16:28
Your Name:	Chen	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____		DS	
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input checked="" type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:		Target (I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm		MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm		MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:		_____ e- torr	
Comments: Target mask run							

v. 1 Run #	544	Date:	12/17/2014	Start:	16:29	Stop:	16:33
Your Name:	Chen	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____		DS	
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input checked="" type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:		Target (I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm		MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm		MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:		_____ e- torr	
Comments: Target mask run							

S800 setting changed to CH2 reaction run.

v. 1 Run #	545	Date:	12/17/2014	Start:	18:29	Stop:	18:32
Your Name:	Chen	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input checked="" type="checkbox"/> Junk (OK)	
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____		DS	
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:		Target (I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm		MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm		MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:		_____ e- torr	
Comments: mcp pedestal, blocker at 4.65 au							

v. 1 Run #	546	Date:	12/17/2014	Start:	17:57	Stop:	18:07
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input checked="" type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS _____) <input type="checkbox"/> Sec.: _____ DS						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____		<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____ I: _____		<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:			Vacuum: _____ e- torr	
Comments:	Junk.						

v. 1 Run #	547	Date:	12/17/2014	Start:	18:09	Stop:	18:10
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS _____) <input type="checkbox"/> Sec.: _____ DS						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____		<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____ I: _____		<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:			Vacuum: _____ e- torr	
Comments:	MCP0 L0.						

v. 1 Run #	548	Date:	12/17/2014	Start:	18:12	Stop:	18:14
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS _____) <input type="checkbox"/> Sec.: _____ DS						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____		<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____ I: _____		<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:			Vacuum: _____ e- torr	
Comments:	MCP0 L2.						

v. 1 Run #	549	Date:	12/17/2014	Start:	18:14	Stop:	18:17		
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No						
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>									
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP					Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input type="checkbox"/> Sec.: <input type="checkbox"/> DS								
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:					<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>	
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out				Drive Positions:	
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty				_____ mm Target (I251Y-R)	
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out			_____ mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out			_____ mm MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:			Vacuum:		_____ e- torr	
Comments:								MCP0 L3.	

v. 1 Run #	550	Date:	12/17/2014	Start:	18:18	Stop:	18:19		
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No						
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>									
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP					Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input type="checkbox"/> Sec.: <input type="checkbox"/> DS								
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:					<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>	
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out				Drive Positions:	
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty				_____ mm Target (I251Y-R)	
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out			_____ mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out			_____ mm MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:			Vacuum:		_____ e- torr	
Comments:								MCP0 L1.	

v. 1 Run #	551	Date:	12/17/2014	Start:	18:20	Stop:	18:21		
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No						
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>									
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP					Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input type="checkbox"/> Sec.: <input type="checkbox"/> DS								
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:					<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>	
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out				Drive Positions:	
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty				_____ mm Target (I251Y-R)	
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out			_____ mm MCP 0 (US) (I250Y-R)	
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out			_____ mm MCP 1 (DS) (I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:			Vacuum:		_____ e- torr	
Comments:								MCP1 L0.	

v. 1 | Run
Your Name:
Also on Shift
Run Type:
S800 Trigg
HiRA Trigg
Target:
MCP M
MCP 1 (D
MCP Volt
Commer

v. 1 |
Your N
Also c
 Jon
Run T
S800
HiRA
Targ
MC
MC
MC
Co

v. 1 Run #	552	Date:	12/17/2014	Start:	18:21	Stop:	18:22
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)		<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)		<input type="checkbox"/> Sec.: DS		
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	mm MCP 0 (US) (I250Y-R)			
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	mm MCP 1 (DS) (I250X-R)			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: MCP1. L1.							

v. 1 Run #	553	Date:	12/17/2014	Start:	18:23	Stop:	18:24
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)		<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)		<input type="checkbox"/> Sec.: DS		
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	mm MCP 0 (US) (I250Y-R)			
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	mm MCP 1 (DS) (I250X-R)			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: MCP1. L2.							

v. 1 Run #	554	Date:	12/17/2014	Start:	18:24	Stop:	18:25
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)		<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)		<input type="checkbox"/> Sec.: DS		
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	mm MCP 0 (US) (I250Y-R)			
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	mm MCP 1 (DS) (I250X-R)			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: MCP1. L3.							

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v. 1 Run #	555	Date:	12/17/2014	Start:	18:46	Stop:	19:48
Your Name:	CMEN	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS 10
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:					
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			mm	Target	(I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		e- torr		
Comments:	Data						

v. 1 Run #	556	Date:	12/17/14	Start:	19:46	Stop:	20:09
Your Name:		Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS 10
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:					
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			83 mm	Target	(I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			112 mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			210 mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		e- torr		
Comments:	Data... stopped because MCP1 voltage tripped. Foil tripped						

v. 1 Run #	557	Date:	12/17/14	Start:	20:10	Stop:	21:13
Your Name:	Xiao	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenn <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS 10
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:					
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			83 mm	Target	(I251Y-R)	
MCP MCP 0 (US):	V: 2060 I: 0.08	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			112 mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: 1960 I: 0.06	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			247.6 mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	3.0800 Tm		Vacuum: 6.2 e-6 torr		
Comments:	Data						

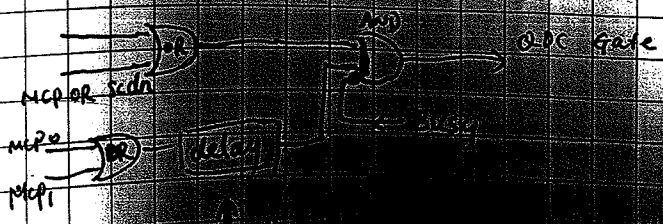
Run #	558	Date:	12/17/14	Start:	21:15	Stop:	
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	Ext.1	<input type="checkbox"/> pulser <input type="checkbox"/> _____) Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <input checked="" type="checkbox"/>				
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____			
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		e- torr		
Comments:	Data						

Run #	559	Date:	12/17/2014	Start:	22:28	Stop:	
Your Name:	Jenay	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	Ext.1	<input type="checkbox"/> pulser <input type="checkbox"/> _____) Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <input checked="" type="checkbox"/>				
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____			
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		e- torr		
Comments:	Data: stopped to examine dE noise + MCP delay						

12/18/2014: 0:00

Concerning the missing of QDC gate by about 20%, Bill concluded that this is due to the dead-time of the delay module between the MCP OR and the gate generation. This delay module is a gate generator. Now we replace the ^{GG} delay by a delay box.

Before improvement
Out of 90 triggers we miss 12 gates.
After the improvement
Out of 79 triggers we miss only 2 gates.



or cable delay

12/116

12/18/14

DE Threshold Adjustment

Several hours ago I noticed that there were few counts in the DE vs EF gated on ^{45}Ar in the SPOD PPD. After investigation, it became obvious that different telescopes at the same angular range had vastly different counts (eg tele 4 vs tele 7). Further analysis determined that the efficiencies for each detector varied widely: this was seen by integrating over the pulser line (that we inserted as External 1 to evaluate dead time) and comparing from telescope to telescope. Below are our findings:

DE	Missing strips	Counts	EF counts	Adjusted Counts
0	5	86k	226k	
1	1	180k	226k	
2	2	190k	225k	
3	0	100k	226k	
4	1	88k	226k	1207
5	0	217k	226k	1992
6	1	200k	226k	1793
7	0	200k	226k	1809
8	2	200k	118k	
9	2	150k	225k	1755
10	8	146k	226k	
11	-	-	226k	829
12	1	200k	226k	1883
13	0	93k	226k	1456

cont. on next page

v. 1 Run #	560	Date:	2014/12/18	Start:	1:15 am	Stop:	
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS/0	HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Cst Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments:	Data after adjusting DE thresholds mainly in DE11						

The EF counts are from looking at the same pulses but on the EF: all telescopes have good efficiency (tele 8 is missing a chip). The adjusted counts are taken after increasing thresholds on noisy channels (~ 7 times; saved in e01084 Dec 17. setup) using FFC. Some improvement is seen, particularly in tele 4 and tele 3 (perhaps others, we

Note: It seems like CBS TAC is not working. Obj Smt Fanout to QFD on rack in ~~the~~ data U had bad lomo cable & fixed this problem. Justin

v. 1 Run #	562	Date:	12/18/2014	Start:	2:24	Stop:	2:32
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS) <input type="checkbox"/> Sec.: DS						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments:	CRDC Mask Mask						

v. 1 Run #	563	Date:	12/18/2014	Start:	2:34	Stop:	2:38
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS) <input type="checkbox"/> Sec.: DS						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input checked="" type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments:	CRDC 2 Mask						

v. 1 |
 Your Name:
 Also on Shift:
 Jon
 Run Type:
 S800 T
 HiRA T
 Target
 MCP
 MCP
 MCP
 Comr

v. 1 Run #	564	Date:	12/18/2014	Start:	2:44.	Stop:	2:46.
Your Name:	Justin	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	DS	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input checked="" type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)		<input type="checkbox"/> Sec.: DS			
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: 83 mm Target (I251Y-R) 111.9 mm MCP 0 (US) (I250Y-R) 247.6 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments:	For forgot to change trigger card back to data						

v. 1 Run #	565	Date:	12/18/2014	Start:	2:47.	Stop:	4:55.
Your Name:	Justin	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)		<input checked="" type="checkbox"/> Sec.: DS			
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments:	Data						

v. 1 Run #	566	Date:	12/18/2014.	Start:	4:55.	Stop:	6:03.
Your Name:	Justin	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>)		<input type="checkbox"/> Sec.: DS			
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments:	Data						

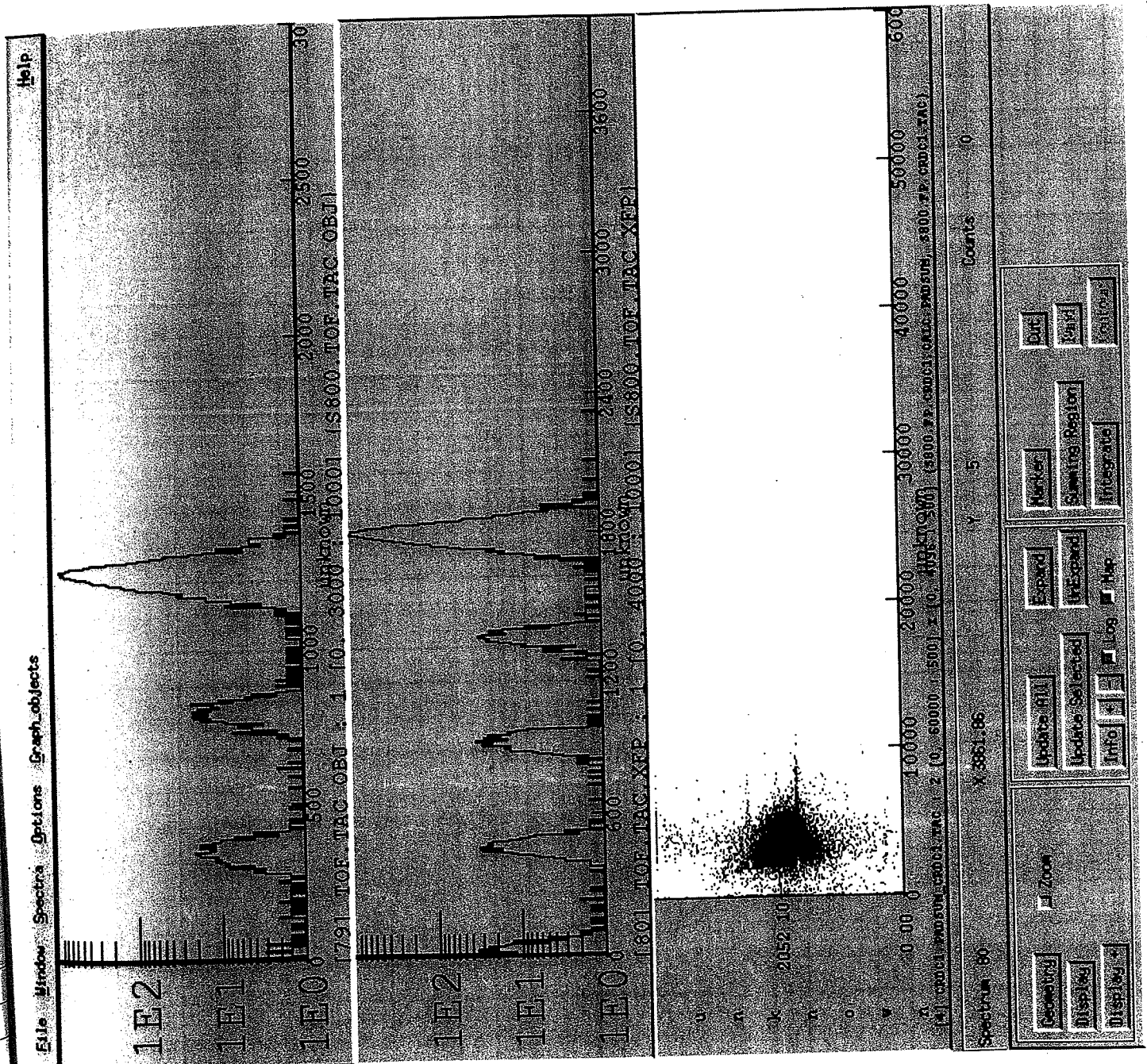
v. 1 Run #	567	Date:	12/18/14	Start:	6:16	Stop:	8:20
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin.	<input checked="" type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser)	<input type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS)	<input checked="" type="checkbox"/> Sec.:	DS
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	mm	Target	(I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 0 (US)	(I250Y-R)	
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 1 (DS)	(I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		e- torr		
Comments:	Beam given back to operator ~10 mins to return. Back to normal. Stopped for ~30 minutes for maintenance						

v. 1 Run #	568	Date:	12/18	Start:	9:16	Stop:	11:11
Your Name:	Seem	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin.	<input checked="" type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser)	<input type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS)	<input checked="" type="checkbox"/> Sec.:	DS 10
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	mm	Target	(I251Y-R)	
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 0 (US)	(I250Y-R)	
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 1 (DS)	(I250X-R)	
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		e- torr		
Comments:	Just Received beam from operator						

v. 1 Run #	569	Date:	12/18	Start:	11:11	Stop:	12:15
Your Name:	Jon	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input checked="" type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin.	<input checked="" type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser)	<input type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS)	<input checked="" type="checkbox"/> Sec.:	DS 10
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	mm	Target	(I251Y-R)	
MCP MCP 0 (US):	V: 2050 I: 79 uA	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 0 (US)	(I250Y-R)	
MCP 1 (DS):	V: 1950 I: 63 uA	<input type="checkbox"/> foil <input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 1 (DS)	(I250X-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum:		e- torr		
Comments:	Data						

Run 559
End:
~23:21

~~74~~



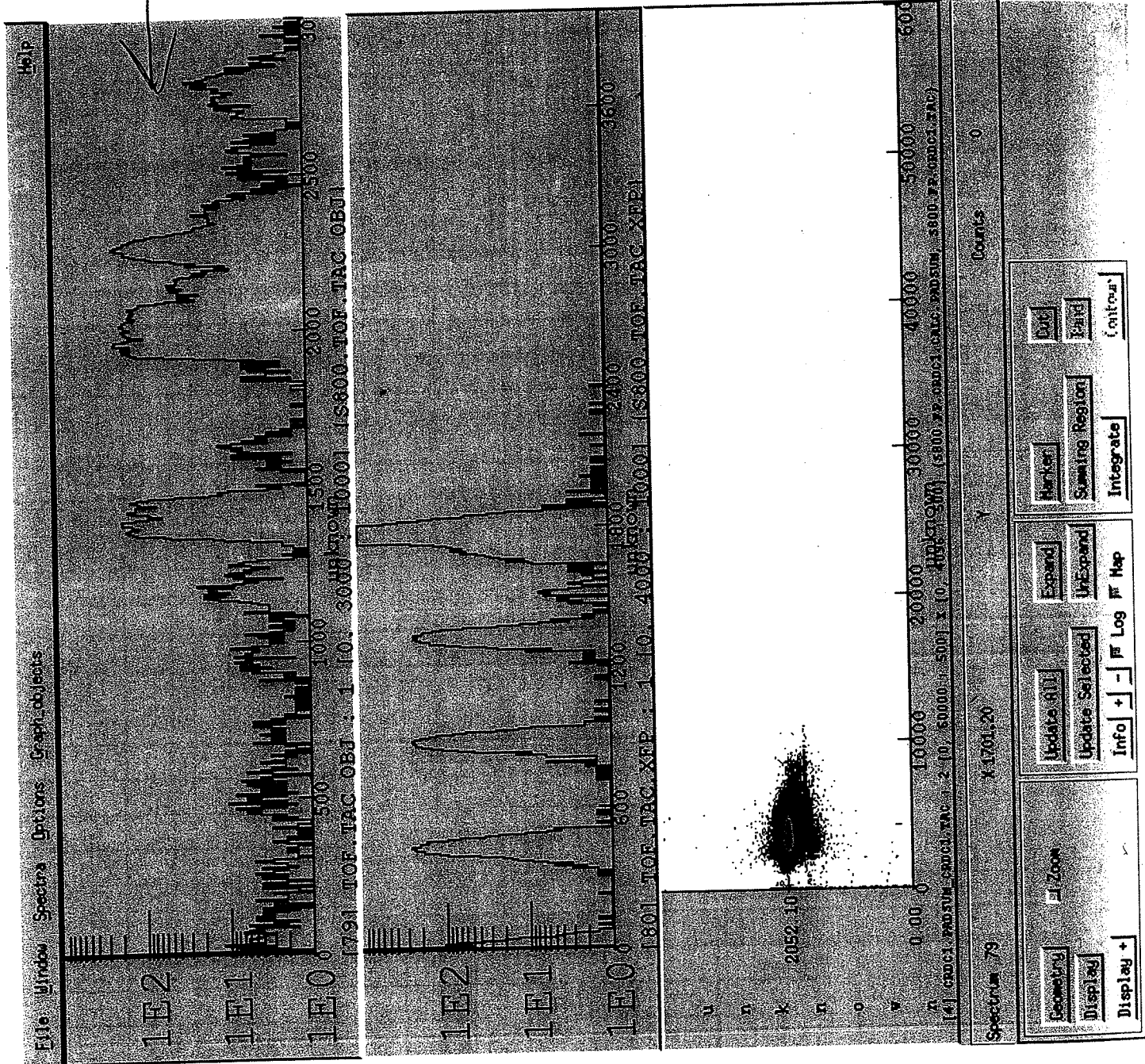
bad cable scint. fan out
to CFD

Bad

Run 560

Start:

1:15



v. 1 Run #	570	Date:	12/18/14	Start:	13:18	Stop:	13:24
Your Name:	Jon	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input checked="" type="checkbox"/> CRDC <input checked="" type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input checked="" type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	31 mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)			
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments: CRDC Mask run - Wrong trigger (Junk)							

v. 1 Run #	571	Date:	12/18/14	Start:	13:28	Stop:	13:44
Your Name:	Jon	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input checked="" type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)			
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments: CRDC Mask calibration Blocker: 4.22							

v. 1 Run #	572	Date:	2014/12/18	Start:	13:45	Stop:	13:50
Your Name:	Jenny	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input checked="" type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)			
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)			
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments: CRDC 1 Blocker Position = 4.35							

v. 1 Run #	573	Date:	12/18/14	Start:	13:59	Stop:	15:04
Your Name:	Juan	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	Ext. 1:	<input type="checkbox"/> pulser <input type="checkbox"/> _____ <input type="checkbox"/> Ext. 2 <input type="checkbox"/> MCP DS <input type="checkbox"/> _____ <input checked="" type="checkbox"/> Sec.: DS <input type="checkbox"/> 0				
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____ ?	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments:	Data MCP1 foil may have been off!						

v. 1 Run #	574	Date:		Start:	15:09	Stop:	15:09
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin	Ext. 1:	<input type="checkbox"/> pulser <input type="checkbox"/> _____ <input type="checkbox"/> Ext. 2 <input type="checkbox"/> MCP DS <input type="checkbox"/> _____ <input type="checkbox"/> Sec.: DS _____				
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments:							

v. 1 Run #	575	Date:	12/18/14	Start:	15:10	Stop:	15:12
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin	Ext. 1:	<input type="checkbox"/> pulser <input type="checkbox"/> _____ <input type="checkbox"/> Ext. 2 <input type="checkbox"/> MCP DS <input type="checkbox"/> _____ <input type="checkbox"/> Sec.: DS _____				
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments:	Junk on DE OR for CB4 still on						

12/18/14

We adjusted DE thresholds again especially for telell. The file is ~~09004~~ Dec 18 - jack - juan - not betty setup. Now, telell has close to 100% efficiency so the thresholds might be too high. Further investigation necessary.

Note: telell thresholds updated again, lowered to just above noise, saved in same file.

v. 1 Run #	576	Date:	12/18/14	Start:	15:31	Stop:	15:41
Your Name:	Juan	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input checked="" type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin		<input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: _____ DS <u>10</u>
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out		<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:		
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	Target	(I251Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Brief data run w/ high DE threshold on telell, MCP1 foil tripped						

v. 1 Run #	577	Date:	12/18/14	Start:	15:52	Stop:	16:52
Your Name:	Juan	Built data?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input checked="" type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin		<input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: _____ DS <u>10</u>
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out		<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:		
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	Target	(I251Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Data: adjusted DE thresholds						

S800 Trigger Bots

16 = Secondary (HiRA)
 8 = External 2 (MCP)
 2 = Coincidence (S800 + HiRA)
 4 = External 1 (Pulsor for dead time)

v. 1 Run #	528	Date:	12/18/2014	Start:	16:53	Stop:	17:53
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input checked="" type="checkbox"/> Sec.: DS 10						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Data						

v. 1 Run #	529	Date:	12/18/2014	Start:	17:53	Stop:	18:54
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input checked="" type="checkbox"/> Sec.: DS 10						
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: 83 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 247.6 mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: 2050 V I: 0.08 mA <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: 1950 V I: 0.06 mA <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho: 3,0800 Tm		Vacuum: 6.1 e-6 torr		
Comments:	Data						

v.1 Run #	580	Date:	2/18/2014	Start:	18:54	Stop:	19:55
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)	Ext. 2	<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input checked="" type="checkbox"/> Sec.: DS 10				
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:					
Comments:	Data						

v.1 Run #	581	Date:	2/18/2014	Start:	19:55	Stop:	20:33
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)	Ext. 2	<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input checked="" type="checkbox"/> Sec.: DS 10				
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	83 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 287.6 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: 2050 I: 0.08 mA	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: 1950 I: 0.06 mA	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	310800				
Comments:	Data.						

20:33 We stop the run and ask the machine people to increase the beam. Currently, the MCP0 & MCP1 clean up rates are 440k & 490k, roughly, respectively.

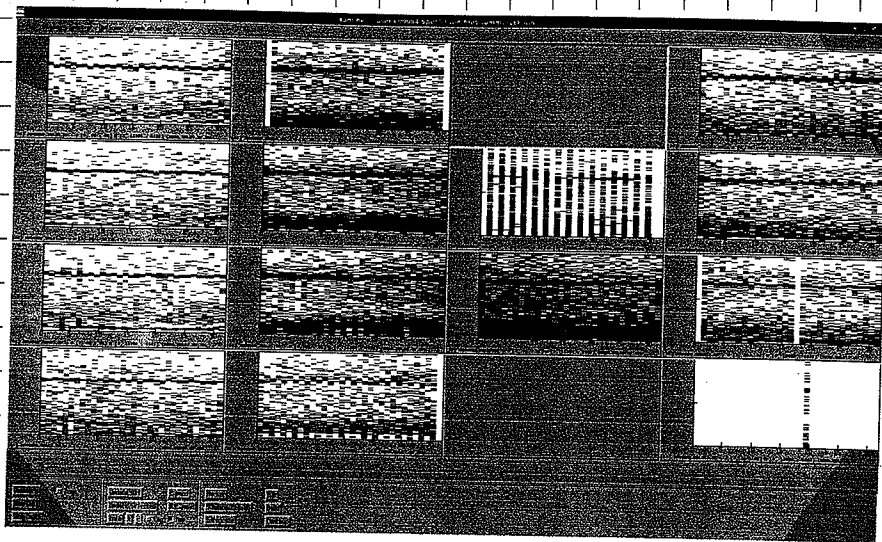
From here, external 2 Trigger (MCP) is added to the trigger.

21:08. Something going wrong with the beam stopped here for a while.

Dec 18, 2014

21:54 EF Missing from run 576 - 581 for telescope T16 (P13).

Juan + Jenny are rebooting the motherboard.



Restarting the MBS did not solve the problem. It seems the CS went bad.

v. 1 Run #	582	Date:	12/18/2014	Start:	22:30	Stop:	22:36
Your Name:	Chen.	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: DS 10	HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> CSI				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
MCP MCP 0 (US):	V: 2050 I: 0.08 mA <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	Drive Positions:	83 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 247 mm MCP 1 (DS) (I250X-R)				
MCP 1 (DS):	V: 1950 I: 0.06 mA <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	Vacuum:	6.0 e-6 torr				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	3.0800				
Comments:	Data; stopped to add ext. 2 to trigger						

Dec 00

Run #	583	Date:	12/18/14	Start:	22:38	Stop:	23:38
Name:	Chen	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K.)		<input checked="" type="checkbox"/> Sec.: DS10			
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		83 mm Target (I251Y-R)			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			112 mm MCP 0 (US) (I250Y-R)			
MCP 0 (US):	V: 2050 I: 0.08mA <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			247 mm MCP 1 (DS) (I250X-R)			
MCP 1 (DS):	V: 1950 I: 0.06mA <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:		e- torr	
Comments: Addl Ext?							

Operator Phoned about vacuum spike

Run #	584	Date:	Dec 18	Start:	23:41	Stop:	
Name:		Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input checked="" type="checkbox"/> Chen							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K.)		<input checked="" type="checkbox"/> Sec.: DS 10			
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		83.01 mm Target (I251Y-R)			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			111.999 mm MCP 0 (US) (I250Y-R)			
MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			247.626 mm MCP 1 (DS) (I250X-R)			
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:		6.2 e-6 torr	
Comments:							

Run #	585	Date:	12/19/14	Start:	00:14	Stop:	00:33
Name:	Chen	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: DS _____			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:		<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		_____ mm Target (I251Y-R)			
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			_____ mm MCP 0 (US) (I250Y-R)			
MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm MCP 1 (DS) (I250X-R)			
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum:		e- torr	
Comments: Beam is blocked. This is a run taken to evaluate MCP noise.							

v. 1 Run #	586	Date:	Dec 9	Start:	0:00 0:33	Stop:	0:34
Your Name:				Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS 60	
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:			<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:			83 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 247 mm MCP 1 (DS) (I250X-R)		
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: e- torr		
Comments:							

v. 1 Run #	587	Date:	Dec 9	Start:	0:34	Stop:	2:01
Your Name:				Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS 60	
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:			<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:			83 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 247 mm MCP 1 (DS) (I250X-R)		
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: e- torr		
Comments:							

v. 1 Run #	588	Date:	12/19/14	Start:	2:01	Stop:	3:54
Your Name:	Justin				Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	(<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Ext. 2	(<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS 10	
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:			<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:			83 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 247 mm MCP 1 (DS) (I250X-R)		
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: e- torr		
Comments: Data							

v.1 Run #	589	Date:	12/19/14	Start:	3:54	Stop:	4:40
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	<input checked="" type="checkbox"/> (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) <input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input checked="" type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS						
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: 83 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 247 mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Had to give beam back. K500 & 1200 issues						

v.1 Run #	590	Date:	12/19/14	Start:	6:24	Stop:	8:49
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	<input checked="" type="checkbox"/> (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) <input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input checked="" type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS						
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: 83 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 247 mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: 2050	I: 79uA	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: 1950	I: 63uA	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Beam is dying, may have to give beam back Gave key to operator 8:49						

v.1 Run #	591	Date:	12/19/14	Start:	9:20	Stop:	9:52
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	<input type="checkbox"/> (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) <input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS) <input type="checkbox"/> Sec.: DS						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: 205	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: 195	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	No beam run						

v. 1 Run #	592	Date:		Start:	9:55	Stop:	11:41
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions:		
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm Target (I251Y-R)		
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm MCP 0 (US) (I250Y-R)		
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	No beam Background run						

³⁶ Beam returned at ~ 2 pm. Apparently, there was an contamination in the K500. After getting beam back we slowly raised XPP from 300k to 600k.

v. 1 Run #	593	Date:	12/19/14	Start:	12:22	Stop:	12:57
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data Singles: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS/0						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions:		
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm Target (I251Y-R)		
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm MCP 0 (US) (I250Y-R)		
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	EB Pulser ramp, 0-5V, 101 steps, 15s/step						

v. 1 Run #	594	Date:	12/19/14	Start:	14:05	Stop:	15:54
Your Name:	Juan	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS/0						
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions:		
MCP MCP 0 (US):	V: 2.05 kV I: 79 uA <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				83 mm Target (I251Y-R)		
MCP 1 (DS):	V: 1.95 kV I: 63 uA <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				112 mm MCP 0 (US) (I250Y-R)		
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho: 3,080		247.6 mm MCP 1 (DS) (I250X-R)		
Comments:	First data run after unexpected off						

DC Mapping

1. MePO
2. MCP1
3. XFP
4. OBS
5. S800 HIRA / S800 Marker (?)
6. Marker
7. Pulser

Ramp Runs, ~ 3 mm. long each

Run	Attn
595	1x
596	3x
597	10x
598	30x
599	no beam

v. 1 Run #	600	Date:	12/19/14	Start:	16:15	Stop:	18:15
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Non <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	<input checked="" type="checkbox"/> (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40k) <input checked="" type="checkbox"/> Sec.: <input type="checkbox"/> DS <input checked="" type="checkbox"/>						
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm Target (I251Y-R)			
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm MCP 0 (US) (I250Y-R)			
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			_____ mm MCP 1 (DS) (I250X-R)			
Comments:	S800 Segment 8 Brho:			Vacuum: _____ e- torr			
Data							

v. 1 Run #	101	Date:	12/19/2014	Start:	17:19	Stop:	18:28
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	<input type="checkbox"/> pulser	<input type="checkbox"/> Ext. 2	<input type="checkbox"/> MCP DS	<input type="checkbox"/> 40K	<input checked="" type="checkbox"/> Sec.: DS 10
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments: DATA							

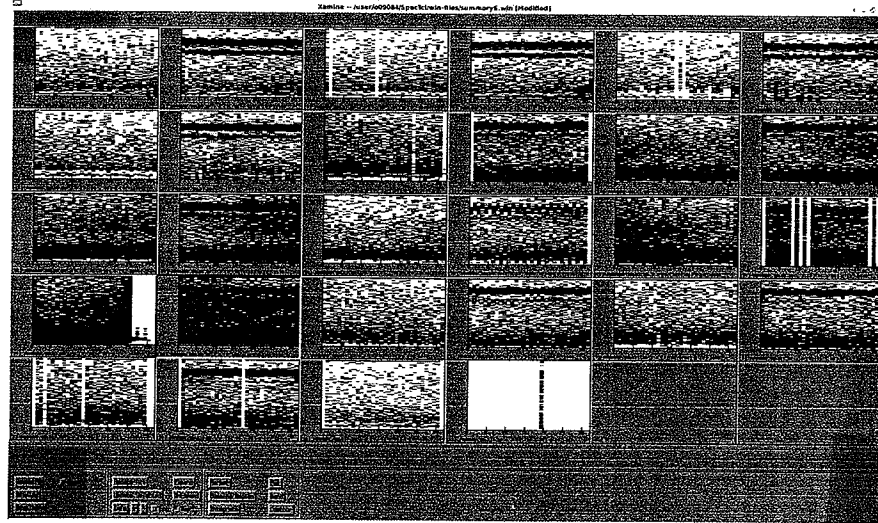
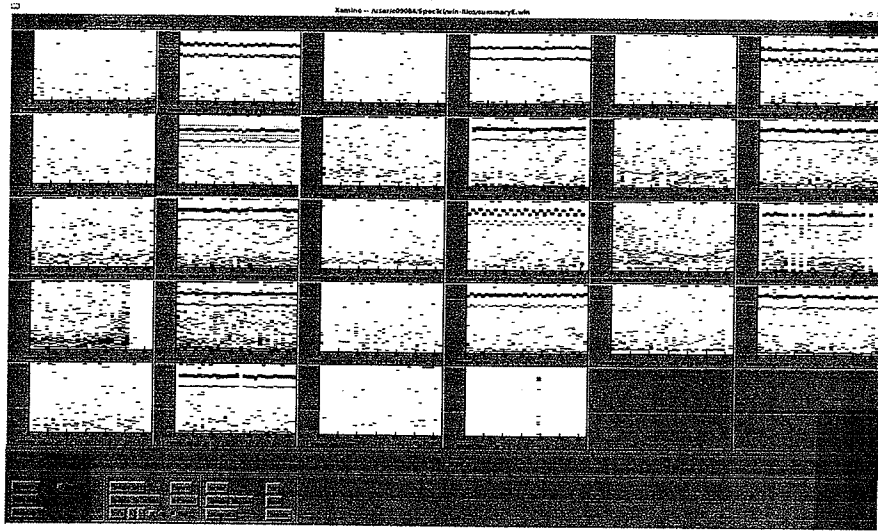
v. 1 Run #	102	Date:	12/19/2014	Start:	18:29	Stop:	19:27
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	<input type="checkbox"/> pulser	<input type="checkbox"/> Ext. 2	<input type="checkbox"/> MCP DS	<input type="checkbox"/> 40K	<input checked="" type="checkbox"/> Sec.: DS 10
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments: DATA							

v. 1 Run #	103	Date:	12/19/2014	Start:	19:27	Stop:	20:28
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	<input type="checkbox"/> pulser	<input type="checkbox"/> Ext. 2	<input type="checkbox"/> MCP DS	<input type="checkbox"/> 40K	<input checked="" type="checkbox"/> Sec.: DS 10
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	_____ mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments: DATA							

v. 1 Run #	604	Date:	12/19/2014	Start:	20:28	Stop:	21:28
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS 10						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:			Vacuum: _____ e- torr	
Comments:	Data						

v. 1 Run #	605	Date:	Dec 19	Start:	21:43	Stop:	22:43
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input checked="" type="checkbox"/> Chen						
Run Type:	<input checked="" type="checkbox"/> Data Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk						
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS 10						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty			Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:			Vacuum: _____ e- torr	
Comments:							

Note: After Run 604 I noticed some strange noise at ~14,000 channels for all EP (about 1,500 channels wide). Looking back at previous runs this has been present since Run 594. I disconnected the pulser going to EB and Csl (which was off) and cycled the MCS, the problem went away. See next page for picture of the problem.



v. 1 |
Your
Also
 Jo
Run
S800
HiRA
Targ
MC
MC
MC
Cor

V. Y. A. R. S. T. J.

v. 1 Run #	606	Date:	Dec 19	Start:	22:48	Stop:	23:29
Your Name:	Karl	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input checked="" type="checkbox"/> Chen							
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40k)		<input checked="" type="checkbox"/> Sec.: DS 10		
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:							

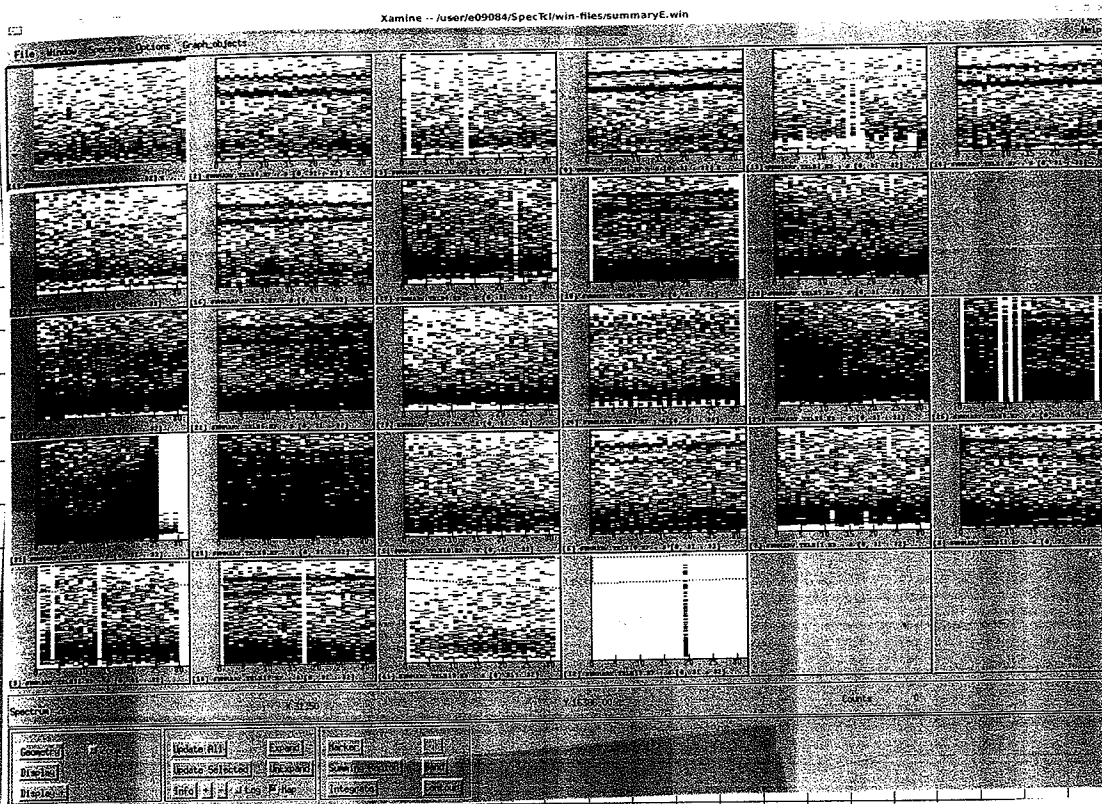
v. 1 Run #	607	Date:	Dec 20	Start:	23:30	Stop:	00:33
Your Name:	Xu	Built data?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input checked="" type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40k)		<input checked="" type="checkbox"/> Sec.: DS 10		
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:							

v. 1 Run #	608	Date:	Dec 20	Start:	00:34	Stop:	01:45
Your Name:	Xu	Built data?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input checked="" type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40k)		<input checked="" type="checkbox"/> Sec.: DS 10		
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer	<input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:							

v. 1 Run #	609	Date:	Dec. 20	Start:	01:44	Stop:	2:44
Your Name:	Xu	Built data?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: DS 10			
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt					
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	Target	(I251Y-R)	
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments: <i>Renta</i>							

v. 1 Run #	610	Date:	12/20/14	Start:	2:44	Stop:	
Your Name:	Justin	Built data?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: DS 10			
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt					
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	Target	(I251Y-R)	
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr			
Comments: <i>Stopped due to the same problem as P. 135</i>							

*Stopped run 610 to cycle mother boards
saw double "pulser" in EF again
see graphic on next page.*



v. 1 Run #	611	Date:		Start:		Stop:	
Your Name:	Justin	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP				
S800 Trigger Box:	<input checked="" type="checkbox"/> (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: <input checked="" type="checkbox"/> DS <input type="checkbox"/> _____						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl <input checked="" type="checkbox"/> Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____						
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty					Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No					S800 Segment 8 Brho: _____ Vacuum: _____ e- torr	
Comments:	Junk. Forgot to load setup file after cycling probes.						

v. 1 Run #	612	Date:	12/20/14	Start:		Stop:	
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP				
S800 Trigger Box:	<input checked="" type="checkbox"/> (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: <input type="checkbox"/> DS <input checked="" type="checkbox"/> DS10						
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl <input checked="" type="checkbox"/> Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____						
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty					Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)	
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					S800 Segment 8 Brho: _____ Vacuum: _____ e- torr	
Comments:	Data.						

v. 1 Run #	613	Date:		Start:	4:23	Stop:	5:24
Your Name:	Justin	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.: _____	DS 10		
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> CSI	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____					
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm Target (I251Y-R)				
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments: Data							

v. 1 Run #	614	Date:		Start:	5:24	Stop:	6:33
Your Name:	Xu	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.: _____	DS 10		
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> CSI	Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____					
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm Target (I251Y-R)				
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments: Data							

v. 1 Run #	615	Date:	12/20/14	Start:	6:33	Stop:	7:47
Your Name:	Justin	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.: _____	DS 10		
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> CSI	Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____					
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm Target (I251Y-R)				
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments:							

v. 1 Run #	616	Date:	12/20/14	Start:	7:47	Stop:	9:19
Your Name:				Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	<input type="checkbox"/> pulser <input type="checkbox"/> _____		<input checked="" type="checkbox"/> Ext.2	<input type="checkbox"/> MCP DS <input type="checkbox"/> _____	
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csi	Beam:			<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out		Drive Positions:		
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty		_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments:							

v. 1 Run #	617	Date:	12/20	Start:	9:19	Stop:	10:26
Your Name:	Sean			Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	<input checked="" type="checkbox"/> Ext.1	<input type="checkbox"/> pulser <input type="checkbox"/> _____		<input checked="" type="checkbox"/> Ext.2	<input type="checkbox"/> MCP DS <input type="checkbox"/> _____	
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csi	Beam:			<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out		Drive Positions:		
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty		_____ mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum: _____ e- torr		
Comments: Data							

v. 1 Run # <u>619</u>	Date: <u>12/20</u>	Start: <u>10:27</u>	Stop: <u>11:28</u>
Your Name: <u>Sean</u>	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <input checked="" type="checkbox"/>			
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		
Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: _____ mm Target (I251Y-R)		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: <u>No beam quit</u>			

v. 1 Run # <u>619</u>	Date: <u>12/20</u>	Start: <u>10:28</u>	Stop: <u>10:30</u>
Your Name: <u>Sean</u>	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <input checked="" type="checkbox"/>			
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		
Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: _____ mm Target (I251Y-R)		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: <u>No beam</u>			

v. 1 Run # <u>620</u>	Date: <u>12/20</u>	Start: <u>10:36</u>	Stop: <u>10:37</u>
Your Name: <u>Sean</u>	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <input checked="" type="checkbox"/>			
HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		
Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: _____ mm Target (I251Y-R)		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out			
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: <u>Data run stopped</u>			

v. 1 Run #	621	Date:	12/26	Start:	10:37	Stop:	12:06
Your Name:	Sean			Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: _____		DSL
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____ I: _____		<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Data Run						

v. 1 Run #	622	Date:	12/20/14	Start:	12:07	Stop:	3:46
Your Name:	Jon			Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: _____		DSL
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____		<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____ I: _____		<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	Data: stopped to give operators key.. "controls issue"						

Bill, Jun, & Han went to the vault and added the EB into the dead time pulser frequency circuit.

An ion gauge in the cyclotron went bad. Genevieve adjusted the controls system to allow us to continue to run. In the meantime we take α -data. Target drive set to 200.0 mm.

v. 1 Run #	623	Date:	12/20/14	Start:	14:32	Stop:	14:44
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	<input checked="" type="checkbox"/> (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ DS _____						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		<i>JE</i>		Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <i>α</i>	
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions:	_____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)	
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:			Vacuum:	_____ e- torr	
Comments:	<i>JE alpha run</i>						

The beam was recovered and the rate in the XPP is ~ 500 K. We started a run and have asked for mac (to ~ 600 K).

v. 1 Run #	624	Date:	2014/12/20	Start:	14:59	Stop:	15:50
Your Name:	Juan	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	<input checked="" type="checkbox"/> (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ DS <i>10</i>						
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		_____		Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____	
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				Drive Positions:	8.3 mm Target (I251Y-R) 11.2 mm MCP 0 (US) (I250Y-R) 247.6 mm MCP 1 (DS) (I250X-R)	
MCP MCP 0 (US):	V: <i>2.0x</i>	I: <i>1.8</i>	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP 1 (DS):	V: <i>1.95</i>	I: <i>1.8</i>	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	<i>3.080</i>		Vacuum:	_____ e- torr	
Comments:	<i>Normal Data Run</i>						

v. 1 Run #	625	Date:	12/20/14	Start:	15:50	Stop:	16:43
Your Name:	Chen	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K)	<input checked="" type="checkbox"/> Sec.:	DS 10			
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> CsI	Beam:		<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm Target (I251Y-R)				
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	_____ mm MCP 1 (DS) (I250X-R)				
MCP Voltage on?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: Stopped to reset a pulser (back).							

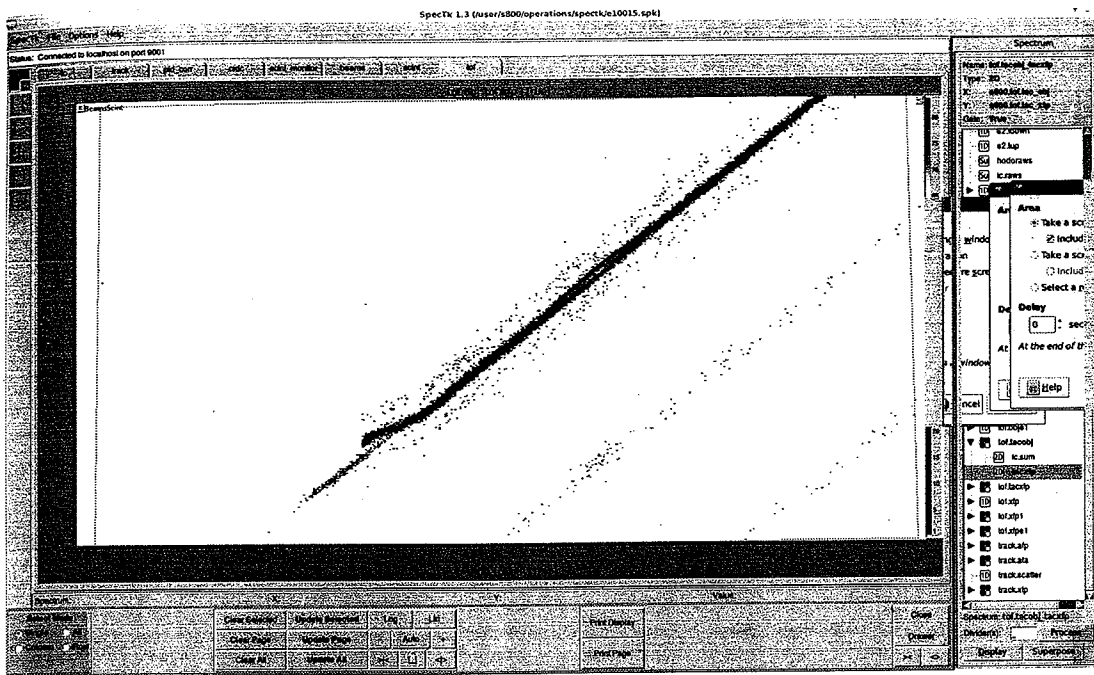
The pulser for EB was turned to Internal Clock rather than External trigger. This has been fixed.

v. 1 Run #	626	Date:	12/20/14	Start:	16:46	Stop:	17:27
Your Name:	Chen	Built data?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>							
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin <input checked="" type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/>)	<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K)	<input checked="" type="checkbox"/> Sec.:	DS 10			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> CsI	Beam:		<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>			
Target:	<input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm Target (I251Y-R)				
MCP 1 (DS):	V: _____ I: _____	<input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)				
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	_____ mm MCP 1 (DS) (I250X-R)				
MCP Voltage on?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: Stopped to do the CRDC2 Mask calibration.							

v. 1 Run #	627	Date:	12/20/2014	Start:	17:30	Stop:	17:47
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input checked="" type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	CRDC2 calibration. Position: 4.22						

v. 1 Run #	628	Date:	12/20/2014	Start:	17:48	Stop:	18:05
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input checked="" type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments:	CRDC 1 calibration. Position: 4.35						

v. 1 Run #	629	Date:	12/20/14	Start:	18:15	Stop:	20
Your Name:	Xiao	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input checked="" type="checkbox"/> Chen						
Run Type:	<input checked="" type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K)		<input checked="" type="checkbox"/> Sec.: DS 10		
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions: 193.5 mm Target (I251Y-R) 112 mm MCP 0 (US) (I250Y-R) 247.6 mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: 2050 I: 80 uA <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: 1950 I: 60 uA <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho: 3.0395 Tm		Vacuum: 6.2 e-6 torr		
Comments:	C target data.						



Run #	630	Date	12/20/14	Start	20:45	Stop	20:46
Operator Name:	Jenny						
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input checked="" type="checkbox"/> <u>Chen</u>						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	Ext. 1	<input checked="" type="checkbox"/> pulser <input type="checkbox"/> _____				
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> Mask <input type="checkbox"/> CH2 25 um <input checked="" type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> CH2 75 um <input type="checkbox"/> Alpha <input type="checkbox"/> foil <input type="checkbox"/> mask	<input type="checkbox"/> out <input type="checkbox"/> Empty	Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		Vacuum: _____ e- torr			
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		S800 Segment 8 Brho: _____			
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
Comments:	stopped run to test fast clear Data.						
Stop:	_____						

v. 1
Your
Also
 Jo
Run
S800
HIRA
Targ
MC
MCI
MCI
Con

v. 1 Run #	631	Date:	12/20/2014	Start:	20:46	Stop:	21:15
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	Ext. 1	<input type="checkbox"/> pulser <input type="checkbox"/> Ext. 2 <input type="checkbox"/> MCP DS <input type="checkbox"/> <u>40K</u> <input checked="" type="checkbox"/> Sec.: <u>DS10</u>				
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:	<u>103.5</u> mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments:	Stopped to test the fast clear circuit.						

v. 1 Run #	632	Date:	12/20/2014	Start:	21:36	Stop:	21:46
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data <u>debnj</u>	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin	Ext. 1	<input type="checkbox"/> pulser <input type="checkbox"/> Ext. 2 <input type="checkbox"/> MCP DS <input type="checkbox"/> <u>40K</u> <input checked="" type="checkbox"/> Sec.: <u>DS10</u>				
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:	<u>103.5</u> mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)			
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out					
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr				
Comments:	FC test						

before 632 we removed the Master from the fast clear circuit
 Then we found two loose cables. I was from fast clear delay to fast clear
 the Master was from delayed and widened QDC in the QDC gate as a
 veto veto. Both were connected when we came down best got local below
 (The veto was fast clear was thoroughly checked will beam before going down
 After removing master we also saw 2 MCP events in 4000 x then
 we put back into the master into the fast clear
 we saw no fast clear in 200 connected but 3-4 events missed at
 QDC gate

ack Jen
 Junk
 DS
 (I251Y-R)
 (I250Y-R)
 (I250X-R)
 torr

Run #	633	Date:	12/20/2014	Start:	21:55	Stop:	22:20
Your Name:	Chen	Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) <input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS/D						
HIRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	193.5 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:					Vacuum: _____ e- torr
Comments:	(type junk) Data: ~10 min magnets went normal, LOW COUNTS!						

Dung Run 633 I21 seemingly went normal. The other two magnets in that triplet soon followed suit. We are now seeing a small fraction of the beam (~200 C&P ORs as opposed to ~3000). A fast fill may be possible

ack Jen
 Junk
 DS
 (I251Y-R)
 (I250Y-R)
 (I250X-R)
 torr

v. 1 Run #	634	Date:	12/20/2014	Start:		Stop:	
Your Name:	Chen	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi						
Run Type:	<input checked="" type="checkbox"/> Data	Singles:	<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk				
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) <input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> 40K) <input checked="" type="checkbox"/> Sec.: DS/D						
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam:	<input type="checkbox"/> 34Ar <input checked="" type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out <input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	Drive Positions:	193.5 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R)				
MCP MCP 0 (US):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP 1 (DS):	V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:					Vacuum: _____ e- torr
Comments:							

v. 1 Run # 635	Date: 12/20/14	Start: 23:02	Stop: 23:22
Your Name:	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input checked="" type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin <input checked="" type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: DS	HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		
Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		<input checked="" type="checkbox"/> NO BEAM	
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		
<input type="checkbox"/> Mask <input checked="" type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS): V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: No beam			

v. 1 Run # 636	Date: 12/20/14	Start: 23:30	Stop: 23:50
Your Name: Juan	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk		
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: DS 1	HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		
Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		<input type="checkbox"/>	
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: EB Pulser, 0-5V, 51 steps, 1S/step			

Note: **17 EB** does not look brased

v. 1 Run # 637	Date: 12/20/14	Start: 00:45	Stop: 00:36
Your Name:	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input checked="" type="checkbox"/> Junk		
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: DS	HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		
Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt		<input type="checkbox"/>	
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions:		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm	Target	(I251Y-R)
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 0 (US)	(I250Y-R)
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm	MCP 1 (DS)	(I250X-R)
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	Vacuum: _____ e- torr	
Comments: Forget to den spectra before ramp			

v. 1
Yo
Als

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S8
Hi
Ta
M
M
C

3:22

Jack Jenny
 Junk
 DS
 NOISE
 (I251Y-R)
 (I250Y-R)
 (I250X-R)
 torr

Run #	638	Date:	12/20/14	Start:	09:36	Stop:	09:51
Your Name:	Jun	Built data?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input checked="" type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS		<input checked="" type="checkbox"/> Sec.: DS		1
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		puls		Beam:		<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um		<input type="checkbox"/> out		Drive Positions:		
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha		<input type="checkbox"/> Empty		mm		Target (I251Y-R)
MCP MCP 0 (US):	V: _____ I: _____		<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		mm		MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____ I: _____		<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		mm		MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum:		e- torr
Comments:	EF Pulsar, 0-5 V, 51 steps, 1S/step						

50
 Jack Jenny
 Junk
 DS

 (I251Y-R)
 (I250Y-R)
 (I250X-R)
 torr

Note: Although triggering on EB worked for Run 636, we saw significant noise in EF when triggering on EF, but only on MBS. Since we do not see such noise in the data we choose not to worry about this and just trigger on the pulser instead.

Jack Jenny
 Junk
 DS
 (I251Y-R)
 (I250Y-R)
 (I250X-R)

v.1 Run #	639	Date:	12/20/14	Start:	1:05	Stop:	1:20
Your Name:	Jun	Built data?		<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input checked="" type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS		<input checked="" type="checkbox"/> Sec.: DS		1
HIRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		puls		Beam:		<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um		<input type="checkbox"/> out		Drive Positions:		
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha		<input type="checkbox"/> Empty		mm		Target (I251Y-R)
MCP MCP 0 (US):	V: _____ I: _____		<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		mm		MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____ I: _____		<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out		mm		MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum:		e- torr
Comments:	dB Pulsar, 0-1.5 V, 51 steps, 1S/step						

v. 1 Run #	640	Date:	12/20/17	Start:	1:35	Stop:	1:39
Your Name:	Juan	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input checked="" type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS _____			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl <i>pulser</i>	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____					
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm	Target	(I251Y-R)	
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No				S800 Segment 8 Brho:	_____ mm	MCP 1 (DS)	(I250X-R)
Comments:				Vacuum: _____ e- torr			
<i>Junk; pulser froze</i>							

v. 1 Run #	641	Date:	12/20/17	Start:	1:40	Stop:	2:00
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input checked="" type="checkbox"/> Sec.: _____ DS _____			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl <i>pulser</i>	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____					
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm	Target	(I251Y-R)	
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No				S800 Segment 8 Brho:	_____ mm	MCP 1 (DS)	(I250X-R)
Comments:				Vacuum: _____ e- torr			
<i>CsI pulser, 0-10 V, 51 steps, 15 s/step</i>							

v. 1 Run #	642	Date:	12/21/17	Start:	2:13	Stop:	2:16
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS _____			
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl <i>pulser</i>	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____					
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty		Drive Positions:			
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm	Target	(I251Y-R)	
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm	MCP 0 (US)	(I250Y-R)	
MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No				S800 Segment 8 Brho:	_____ mm	MCP 1 (DS)	(I250X-R)
Comments:				Vacuum: _____ e- torr			
<i>CSI Bank 1 0-10 V 11 steps 10s/step</i>							

v. 1 Run # 643	Date: 12/21/2014	Start: 2:24	Stop: 2:28
Your Name: Justin	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.: _____ DS _____
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl pulser	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: _____ mm Target (I251Y-R)		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No		
S800 Segment 8 Brho:	Vacuum: _____ e- torr		
Comments: 9-10V 11 steps 10s/step Bank 1			

v. 1 Run # 644	Date: 12/21/2014	Start: 2:30	Stop: 2:32
Your Name: Justin	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.: _____ DS _____
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl pulser	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: _____ mm Target (I251Y-R)		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No		
S800 Segment 8 Brho:	Vacuum: _____ e- torr		
Comments: 8-10V 11 steps 10s/step Bank 1			

v. 1 Run # 645	Date: 12/21/2014	Start: 2:34	Stop: 2:36
Your Name:	Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>			
Run Type: <input type="checkbox"/> Data	Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		Sec.: _____ DS _____
HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl	Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/>		
Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out	Drive Positions: _____ mm Target (I251Y-R)		
<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty	_____ mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS): V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No		
S800 Segment 8 Brho:	Vacuum: _____ e- torr		
Comments: 8-10V 11 steps 10s/step Bank 2			

v. 1 Run #	646	Date:	12/1/04	Start:	2:38	Stop:	2:50
Your Name:	Justin	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl <u>pulser</u>		Beam:		<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out		Drive Positions:		_____ mm Target (I251Y-R)		
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				_____ mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: CSI 8-10V 11 steps 10s/step Bank 3							

647 Bank 4

v. 1 Run #	647	Date:	12/1/04	Start:	2:41	Stop:	2:45
Your Name:	Justin	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl <u>pulser</u>		Beam:		<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out		Drive Positions:		_____ mm Target (I251Y-R)		
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				_____ mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: CSI 8-10V 11 steps 10s/step Bank 4							

v. 1 Run #	648	Date:	12/1/04	Start:	3:36	Stop:	5:06
Your Name:	Justin	Built data?		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input checked="" type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/> _____							
Run Type:	<input type="checkbox"/> Data		Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)		<input type="checkbox"/> CRDC <input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)		<input type="checkbox"/> Sec.: _____ DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:		<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____		
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> CH2 25 um <input type="checkbox"/> CH2 75 um <input type="checkbox"/> out		Drive Positions:		_____ mm Target (I251Y-R)		
	<input type="checkbox"/> Mask <input type="checkbox"/> C (17 mg/cm2) <input type="checkbox"/> Alpha <input type="checkbox"/> Empty				_____ mm MCP 0 (US) (I250Y-R)		
MCP MCP 0 (US):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out				_____ mm MCP 1 (DS) (I250X-R)		
MCP 1 (DS):	V: _____ I: _____ <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out						
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: lots of noise lots of noise Alpha had to turn off 4 tele							

~ 03:00 Lots of noise in system
when looking at dE's.
~ 10k dE-OR rate

Turned off Chip boards 5, 6, 11, 12
which are ~~the 3 & 10~~

Only then could we toggle on alphas.

Justin & Juan & Xu

v. 1 Run #	649	Date:	12/22/14	Start:	21:40	Stop:	21:50
Your Name:				Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input checked="" type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input type="checkbox"/> Sec.:	DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> _____			
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> Mask	<input type="checkbox"/> CH2 25 um <input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> CH2 75 um <input type="checkbox"/> Alpha	<input type="checkbox"/> out <input type="checkbox"/> Empty	Drive Positions:		
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm Target (I251Y-R)				
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	_____ mm MCP 1 (DS) (I250X-R)				
Comments:	JUNK						

v. 1 Run #	650	Date:	12/22/14	Start:	21:50	Stop:	21:55
Your Name:	Juan			Built data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Also on Shift:	<input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi <input type="checkbox"/>						
Run Type:	<input type="checkbox"/> Data	Singles:	(<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	Calib:	(<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP)	<input type="checkbox"/> CRDC	<input type="checkbox"/> Junk
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin.	<input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____)	<input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____)	<input checked="" type="checkbox"/> Sec.:	DS		
HiRA Trigger:	<input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		<input checked="" type="checkbox"/> EF OR EB	Beam:	<input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt <input type="checkbox"/> pin		
Target:	<input type="checkbox"/> Viewer <input type="checkbox"/> Mask	<input type="checkbox"/> CH2 25 um <input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> CH2 75 um <input type="checkbox"/> Alpha	<input type="checkbox"/> out <input type="checkbox"/> Empty	Drive Positions:		
MCP MCP 0 (US):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm Target (I251Y-R)				
MCP 1 (DS):	V: _____ I: _____	<input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out	_____ mm MCP 0 (US) (I250Y-R)				
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No	S800 Segment 8 Brho:	_____ mm MCP 1 (DS) (I250X-R)				
Comments:	Pin Source Calib, EF OR EB, data threshold						

651 is JUNK

v. 1 Run #	652	Date:	12/21/2014	Start:		Stop:	
Your Name:	Alan	Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS)		<input checked="" type="checkbox"/> Sec.: DS 1		
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: pin source							

v. 1 Run #	653	Date:	12/21/2014	Start:		Stop:	
Your Name:		Built data?	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Betty <input type="checkbox"/> Bill <input type="checkbox"/> Charles <input type="checkbox"/> Christoph <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Giordano <input type="checkbox"/> Han <input type="checkbox"/> Iwasaki <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Karl <input type="checkbox"/> Kyle <input type="checkbox"/> Li <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Xiao <input type="checkbox"/> Xu <input type="checkbox"/> Yassid <input type="checkbox"/> Zibi							
Run Type:	<input type="checkbox"/> Data	Singles:	<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP		Calib:	<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk	
S800 Trigger Box:	(1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser)		<input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS)		<input checked="" type="checkbox"/> Sec.: DS 1		
HiRA Trigger:	<input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl		Beam: <input type="checkbox"/> 34Ar <input type="checkbox"/> 46Ar <input type="checkbox"/> 36Ar <input type="checkbox"/> pdt				
Target:	<input type="checkbox"/> Viewer	<input type="checkbox"/> CH2 25 um	<input type="checkbox"/> CH2 75 um	<input type="checkbox"/> out	Drive Positions:		
	<input type="checkbox"/> Mask	<input type="checkbox"/> C (17 mg/cm2)	<input type="checkbox"/> Alpha	<input type="checkbox"/> Empty	mm	Target	(I251Y-R)
MCP MCP 0 (US):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 0 (US) (I250Y-R)
MCP 1 (DS):	V: _____	I: _____	<input type="checkbox"/> foil	<input type="checkbox"/> mask	<input type="checkbox"/> out	mm	MCP 1 (DS) (I250X-R)
MCP Voltage on?	<input type="checkbox"/> Yes <input type="checkbox"/> No		S800 Segment 8 Brho:		Vacuum: _____ e- torr		
Comments: pin source . 20Hz pulser.							

Run # 654 start: 23:23 stop: 0:23

pin source 20Hz pulser

Run # 655 start 0:24 stop: 01:23

pin source 20Hz pulser

Run # 656 start 01:24 stop: 02:31

pin source 20Hz pulser

Run # 657 start 02:33 stop 03:29

pin source 20Hz pulser

Run # 658 = 03:30 ~ 04:30 659 = 4:30 ~ 5:30

110 = 5:30 ~ 6:34 661 = 6:34 ~