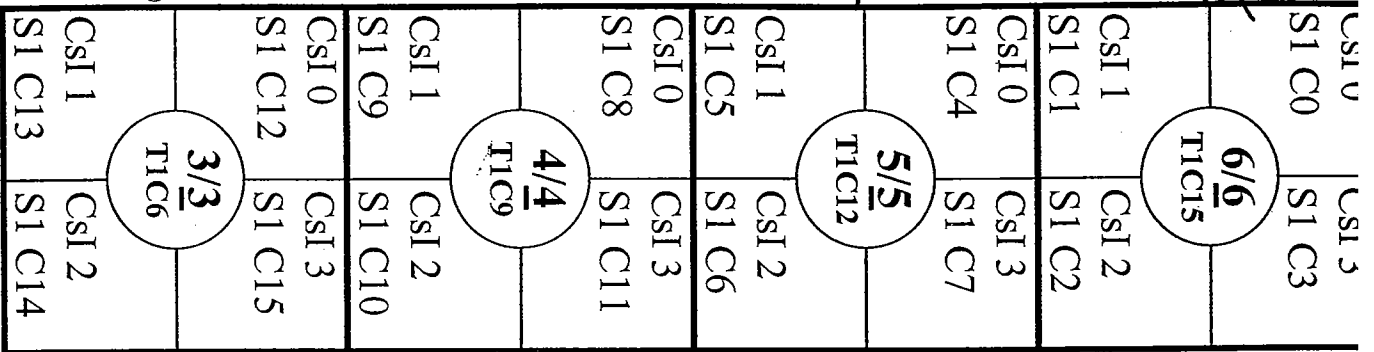


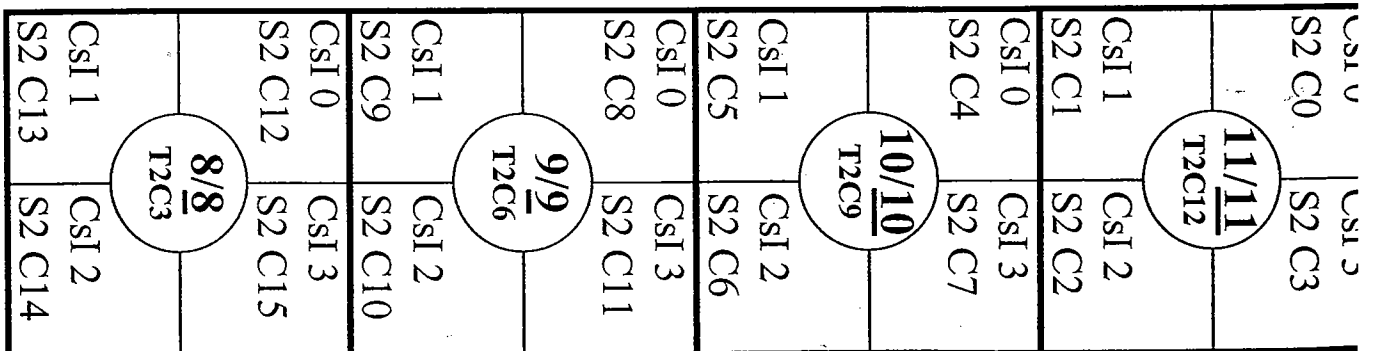
TOWER 0

5,6



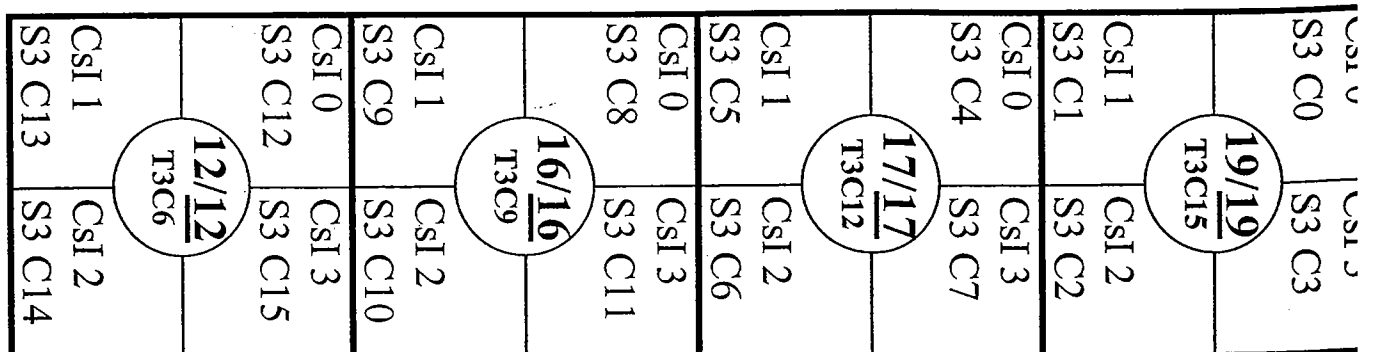
TOWER 1

5,6



TOWER 2

2,3



TOWER 3

5,6

8,9

8,9

5,6

8,9

8,9

Run 232

8:43 am

7/30/05

MV = 4.6 mV for OBJ

- Main Utility Setup Groups View

Group 02	Channel Name	V0Set	I0Set	VMbn	IMbn	Pw
	Tow1Card15	290.00 V	4.00 uA	289.75 V	0.96 uA	On
	Tow1Card12	4 240.00 V	4.00 uA	239.75 V	1.20 uA	On
	Tow1Card9	4 200.00 V	3.00 uA	199.75 V	0.94 uA	On
	Tow1Card6	295.00 V	3.50 uA	295.00 V	0.80 uA	On
	Tow2Card12	4 250.00 V	4.00 uA	250.00 V	0.66 uA	On
	Tow2Card9	4 110.00 V	4.00 uA	109.75 V	1.98 uA	On
	Tow2Card6	4 250.00 V	4.00 uA	249.75 V	0.86 uA	On
	Tow2Card3	4 280.00 V	3.50 uA	280.00 V	0.72 uA	On
	Tow3Card15	4 210.00 V	3.00 uA	209.75 V	0.94 uA	On
	Tow3Card12	4 200.00 V	5.00 uA	200.00 V	1.48 uA	On
	Tow3Card9	4 120.00 V	3.00 uA	120.00 V	0.58 uA	On
	Tow3Card6	4 310.00 V	3.50 uA	309.50 V	0.96 uA	On
	Tow3Card3	4 0.00 V	0.10 uA	1.00 V	0.00 uA	Off
	Tow0Card15	4 210.00 V	3.00 uA	209.75 V	0.50 uA	On
	Tow0Card12	4 250.00 V	4.00 uA	250.25 V	0.76 uA	On
	Tow0Card9	4 190.00 V	3.00 uA	190.00 V	0.28 uA	On
	Tow0Card6	4 240.00 V	3.50 uA	239.75 V	2.72 uA	On
	Tow0Card1	0.00 V	0.10 uA	0.00 V	0.00 uA	Off
16	4861 V	23 C	1 V/s	Dis Ramp	is	

Date:
Time:

	Vbias (V)	I (uA)
Csl0	79.2	0.0
Csl1	79.75	0.1
Csl2	79.65	0.1
Csl3	80.10	0.4
Back0	100.1	4.26
Back1	100.0	3.96
Back2	100.0	4.30
Back3	100.0	2.47
MCP0	1829	562
MCP1	1700	553
Foil0		
Foil1		

2

run 234

10:20 am

- Main Utility Setup Groups View IMon Pw

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw
				0.96 uA	On
Tow1Card15	290.00 V	4.00 uA	289.75 V	0.96 uA	On
Tow1Card12	4 240.00 V	4.00 uA	240.00 V	1.20 uA	On
Tow1Card9	4 200.00 V	3.00 uA	199.75 V	0.96 uA	On
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.80 uA	On
Tow2Card12	4 250.00 V	4.00 uA	250.25 V	0.66 uA	On
Tow2Card9	4 110.00 V	4.00 uA	110.00 V	1.98 uA	On
Tow2Card6	4 250.00 V	4.00 uA	249.75 V	0.86 uA	On
Tow2Card3	4 280.00 V	3.50 uA	280.00 V	0.72 uA	On
Tow3Card15	4 210.00 V	3.00 uA	209.75 V	0.94 uA	On
Tow3Card12	4 200.00 V	5.00 uA	200.25 V	1.48 uA	On
Tow3Card9	4 120.00 V	3.00 uA	120.00 V	0.58 uA	On
Tow3Card6	4 310.00 V	3.50 uA	309.50 V	0.96 uA	On
Tow3Card3	4 0.00 V	0.10 uA	1.00 V	0.00 uA	Off
Tow0Card15	4 210.00 V	3.00 uA	209.75 V	0.50 uA	On
Tow0Card12	4 250.00 V	4.00 uA	250.25 V	0.76 uA	On
Tow0Card9	4 190.00 V	3.00 uA	190.00 V	0.28 uA	On
Tow0Card6	4 240.00 V	3.50 uA	239.75 V	2.74 uA	On
Tow0Card1	0.00 V	0.10 uA	0.00 V	0.00 uA	Off
16	4861 V	23 C	1 V/s Dis Ramp		is

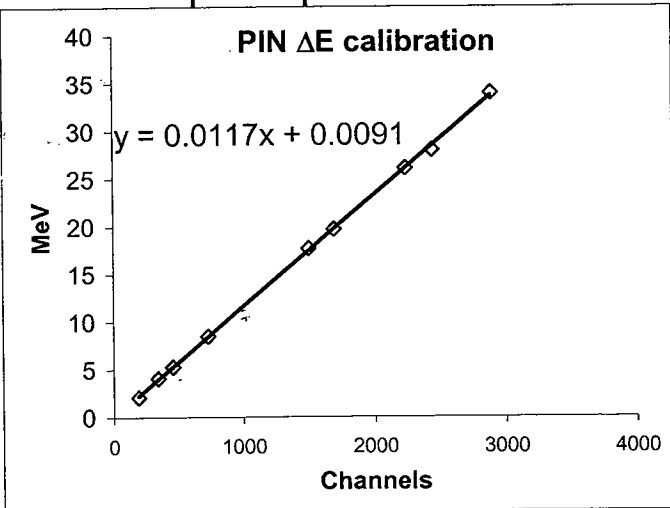
Date:
Time:

	Vbias (V)	I (uA)
Csl0	79.3	0.0
Csl1	79.8	0.1
Csl2	79.7	0.1
Csl3	80.10	0.4
Back0	100.1	4.29
Back1	100.0	3.98
Back2	100.0	4.31
Back3	100.0	2.48
MCP0	1829	564
MCP1	1700	554
Foil0		
Foil1		

Proton Calibration plan

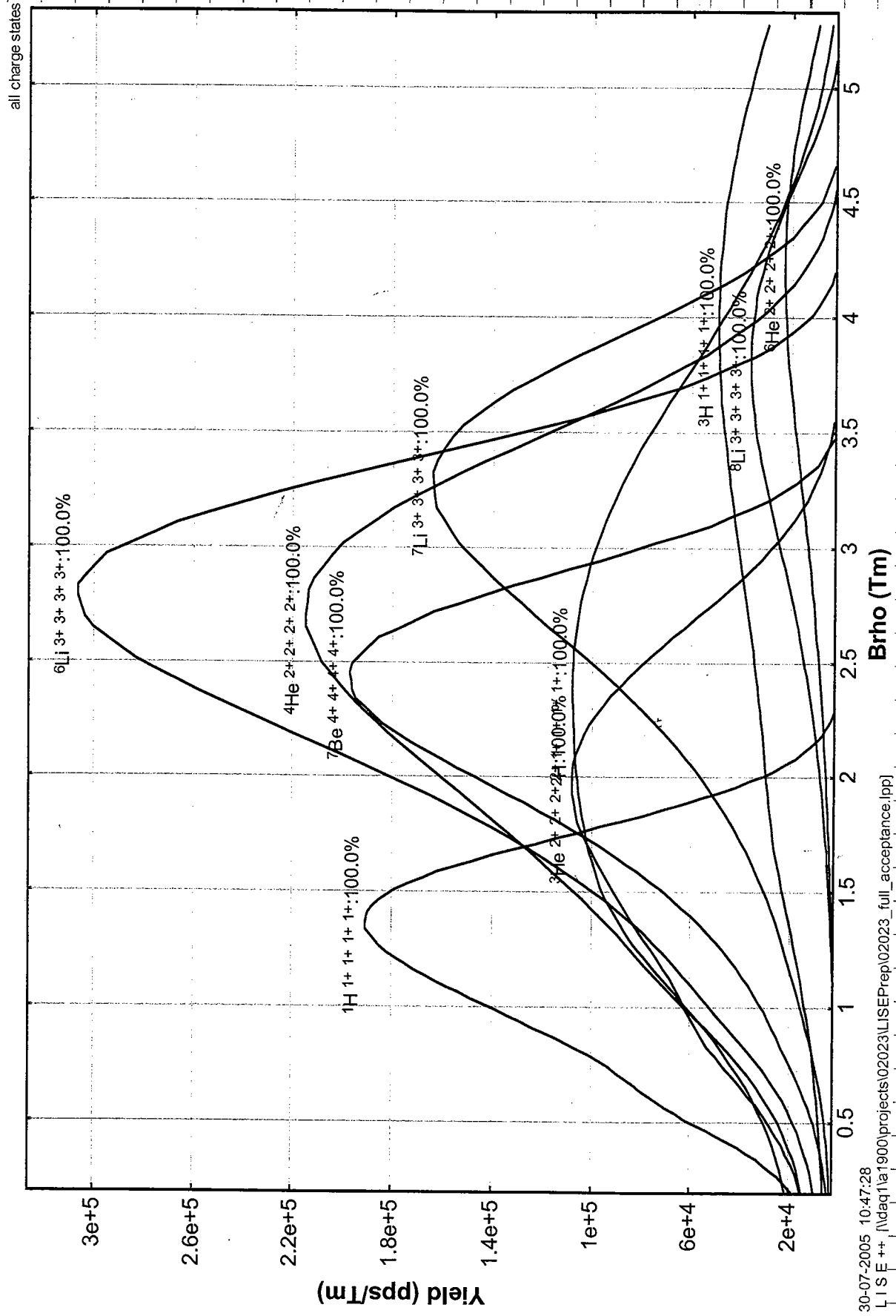
Exp: 02023 PIN detector Shp0(10) V-Bias = 125
 1H unwedged C Gain = 7 Run 3881 0.8 enA 0.024 pA
 F Gain = 0 time 528 sec

Isotope	Measured ΔE LISE predictions			measured pps/pnA	LISE pps/pnA	ratio meas/LISE	LISE % transmission
	ΔE Channel	ΔE MeV	counts				
1H				8.7	10	1.1	0.004
2H	191.6	2.1	108	143.9	0.6	239.9	
3H	341.2	4.1	1788	596.0	2.5	238.4	0.001
3He	454.9	5.3	7404	934.5	5.4	173.1	0.001
4He	722.9	8.5	11610	1.4	0.5	2.7	0.001
6He	1494.3	17.7	17	47.4	12	4.0	0.002
6Li	1689.7	19.7	589	22.0	5.4	4.1	0.002
7Li	2232.9	26.1	273	1.9	1	1.9	0.001
8Li	2886.9	34	23	50.6	11.8	4.3	0.004
7Be	2436.1	28	629				



I2 slits-BrhoPlot

⁷⁸Kr (141.2 MeV/u) + Be (775 mg/cm²); Settings on ¹H 1+ 1+ 1+; Config: DDSWDDMSMMM
dp/p=100.00% ; Wedges: 0; Brho(Tm): 1.3719, 1.3719, 1.3719, 1.3719, 1.3719



run 238 12:20 MV = 1.5 kV ??? see next page
 DBJ was replaced

- Main Utility Setup Groups View

Group 02	Channel Name	V0Set	I0Set	VMon	IMon	Pw
					96 uA	On
	Tow1Card15	290.00 V	4.00 uA	289.75 V	0.96 uA	On
	Tow1Card12	4 240.00 V	4.00 uA	239.75 V	1.20 uA	On
	Tow1Card9	4 200.00 V	3.00 uA	199.75 V	0.96 uA	On
	Tow1Card6	295.00 V	3.50 uA	295.00 V	0.80 uA	On
	Tow2Card12	4 250.00 V	4.00 uA	250.25 V	0.66 uA	On
	Tow2Card9	4 110.00 V	4.00 uA	109.75 V	1.98 uA	On
	Tow2Card6	4 250.00 V	4.00 uA	249.75 V	0.86 uA	On
	Tow2Card3	4 280.00 V	3.50 uA	280.00 V	0.72 uA	On
	Tow3Card15	4 210.00 V	3.00 uA	209.75 V	0.92 uA	On
	Tow3Card12	4 200.00 V	5.00 uA	200.00 V	1.48 uA	On
	Tow3Card9	4 120.00 V	3.00 uA	120.00 V	0.58 uA	On
	Tow3Card6	4 310.00 V	3.50 uA	309.50 V	0.96 uA	On
	Tow3Card3	4 0.00 V	0.10 uA	1.00 V	0.00 uA	Off
	Tow0Card15	4 210.00 V	3.00 uA	209.75 V	0.50 uA	On
	Tow0Card12	4 250.00 V	4.00 uA	250.25 V	0.76 uA	On
	Tow0Card9	4 190.00 V	3.00 uA	190.00 V	0.28 uA	On
	Tow0Card6	4 240.00 V	3.50 uA	239.75 V	2.74 uA	On
	Tow0Card1	0.00 V	0.10 uA	0.00 V	0.00 uA	Off
16	4861 V	23 C	1 V/s	Dis Ramp	is	

Date: 7/30
 Time: 12:20

	Vbias (V)	I (uA)
Csl0	79.25	0.0
Csl1	79.75	0.1
Csl2	79.70	0.1
Csl3	80.10	0.4
Back0	100.1	4.27
Back1	100.0	3.99
Back2	100.0	4.31
Back3	100.0	2.49
MCP0	1829	564
MCP1	1700	554
Foil0		
Foil1		

run 239

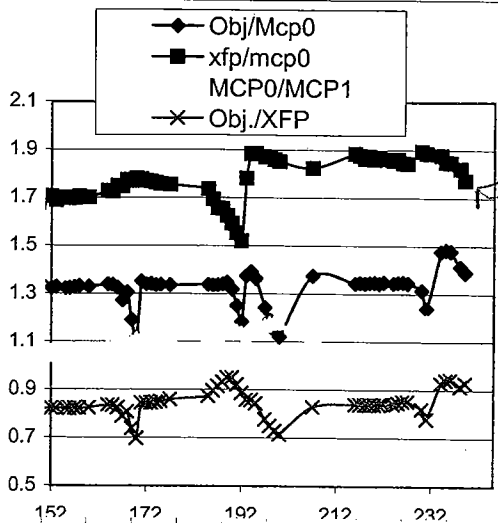
run 239

- Main Utility Setup Groups View

Group 02	Channel Name	V0Set	I0Set	VMon	IMon	Pw
					96 uA	On
	Tow1Card15	290.00 V	4.00 uA	289.75 V	0.98 uA	On
	Tow1Card12	4 240.00 V	4.00 uA	240.00 V	1.22 uA	On
	Tow1Card9	4 200.00 V	3.00 uA	199.75 V	0.96 uA	On
	Tow1Card6	295.00 V	3.50 uA	294.75 V	0.80 uA	On
	Tow2Card12	4 250.00 V	4.00 uA	250.25 V	0.66 uA	On
	Tow2Card9	4 110.00 V	4.00 uA	110.00 V	1.98 uA	On
	Tow2Card6	4 250.00 V	4.00 uA	249.75 V	0.86 uA	On
	Tow2Card3	4 280.00 V	3.50 uA	280.00 V	0.72 uA	On
	Tow3Card15	4 210.00 V	3.00 uA	209.75 V	0.94 uA	On
	Tow3Card12	4 200.00 V	5.00 uA	200.25 V	1.48 uA	On
	Tow3Card9	4 120.00 V	3.00 uA	120.00 V	0.58 uA	On
	Tow3Card6	4 310.00 V	3.50 uA	309.50 V	0.96 uA	On
	Tow3Card3	4 0.00 V	0.10 uA	1.00 V	0.00 uA	Off
	Tow0Card15	4 210.00 V	3.00 uA	209.75 V	0.50 uA	On
	Tow0Card12	4 250.00 V	4.00 uA	250.25 V	0.76 uA	On
	Tow0Card9	4 190.00 V	3.00 uA	190.00 V	0.28 uA	On
	Tow0Card6	4 240.00 V	3.50 uA	239.75 V	2.78 uA	On
	Tow0Card1	0.00 V	0.10 uA	0.00 V	0.00 uA	Off
16	4861 V	23 C	1 V/s	Dis Ramp	is	

Date: 7/30
 Time: 1:23 pm

	Vbias (V)	I (uA)
Csl0	79.35	0.0
Csl1	79.80	0.1
Csl2	79.70	0.2
Csl3	80.10	0.4
Back0	100.1	4.32
Back1	100.0	4.01
Back2	100.0	4.32
Back3	100.0	2.49
MCP0	1829	563
MCP1	1700	554
Foil0		
Foil1		



run 240

HV for XFP was raised up for run 241, the same condition for data taking new HV on XFP

we found that HV for OBJ is 1.47???

inel Name	V0Set	I0Set	WMon	IMon	Pw
lCard15	290.00 V	4.00 uA	289.75 V	0.96 uA	On
lCard12	4 240.00 V	4.00 uA	239.75 V	1.22 uA	On
lCard9	4 200.00 V	3.00 uA	199.75 V	0.96 uA	On
lCard6	295.00 V	3.50 uA	294.75 V	0.80 uA	On
?Card12	4 250.00 V	4.00 uA	250.25 V	0.66 uA	On
?Card9	4 110.00 V	4.00 uA	110.00 V	1.98 uA	On
?Card6	4 250.00 V	4.00 uA	249.75 V	0.86 uA	On
?Card3	4 280.00 V	3.50 uA	280.00 V	0.72 uA	On
!Card15	4 210.00 V	3.00 uA	209.75 V	0.94 uA	On
!Card12	4 200.00 V	5.00 uA	200.00 V	1.48 uA	On
!Card9	4 120.00 V	3.00 uA	120.00 V	0.58 uA	On
!Card6	4 310.00 V	3.50 uA	309.50 V	0.96 uA	On
!Card3	4 0.00 V	0.10 uA	1.00 V	0.00 uA	Off
!Card15	4 210.00 V	3.00 uA	209.75 V	0.50 uA	On
!Card12	4 250.00 V	4.00 uA	250.25 V	0.76 uA	On
!Card9	4 190.00 V	3.00 uA	190.00 V	0.28 uA	On
!Card6	4 240.00 V	3.50 uA	239.75 V	2.74 uA	On
!Card1	0.00 V	0.10 uA	0.00 V	0.00 uA	Off

Date: 7/30/05
Time: 2:31 pm

	Vbias (V)	I (uA)
Csl0	79.20	0.0
Csl1	79.75	0.1
Csl2	80.10	0.4
Csl3	79.65	0.1
Back0	100	4.31
Back1	100	4.00
Back2	100	4.31
Back3	100	2.49
MCP0	1830	56.4
MCP1	1700	55.4
Foil0		
Foil1		

run # 242 - alpha

run 243 data, coincidence with beam

at 15:40 ^{this} was printed

- Main Utility Setup Groups View

Group 02 Channel Name	V0Set	I0Set	V0n	I0n	Pw
Tow1Card15	290.00 V	4.00 uA	289.75 V	0.98 uA	On
Tow1Card12	240.00 V	4.00 uA	239.75 V	1.22 uA	On
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.96 uA	On
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.80 uA	On
Tow2Card12	250.00 V	4.00 uA	250.25 V	0.66 uA	On
Tow2Card9	110.00 V	4.00 uA	110.00 V	1.98 uA	On
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.86 uA	On
Tow2Card3	280.00 V	3.50 uA	280.00 V	0.72 uA	On
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.94 uA	On
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.48 uA	On
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.58 uA	On
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.96 uA	On
Tow3Card3	0.00 V	0.10 uA	1.00 V	0.00 uA	Off
Tow0Card15	210.00 V	3.00 uA	209.75 V	0.50 uA	On
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.76 uA	On
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.28 uA	On
Tow0Card6	240.00 V	3.50 uA	239.75 V	2.78 uA	On
Tow0Card1	0.00 V	0.10 uA	0.00 V	0.00 uA	Off

Kill Every Channel in the System

Date: 7/30
Time: 15:45

	Vbias (V)	I (uA)
Csl0	79.30	0.0
Csl1	79.75	0.1
Csl2	79.70	0.1
Csl3	80.10	0.4
Back0	100.1	432
Back1	100.0	401
Back2	100.0	431
Back3	100.0	250
MCP0	1830	564
MCP1	1700	555
Foil0		
Foil1		

Int beam was decreased by factor ~ two

run # 244 - alpha, no beam

run # 245, MIRA + SPOD, beam lock

The beam was unstable because of slight problems with the deflators

- Main Utility Setup Groups View

16:40

Group 02

Channel Name	V0Set	I0Set	VMbn	IMbn	P
Tow1Card15	290.00 V	4.00 uA	289.75 V	0.98 uA	Or
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.22 uA	Or
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.96 uA	Or
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.80 uA	Or
Tow2Card12	250.00 V	4.00 uA	250.25 V	0.66 uA	Or
Tow2Card9	110.00 V	4.00 uA	110.00 V	2.00 uA	Or
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.86 uA	Or
Tow2Card3	280.00 V	3.50 uA	280.00 V	0.72 uA	Or
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.94 uA	On
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.48 uA	On
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.58 uA	On
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.96 uA	On
Tow3Card3	0.00 V	0.10 uA	1.00 V	0.00 uA	Of
Tow0Card15	210.00 V	3.00 uA	209.75 V	0.50 uA	On
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.76 uA	On
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.28 uA	On
Tow0Card6	240.00 V	3.50 uA	239.75 V	2.78 uA	On
Tow0Card1	0.00 V	0.10 uA	0.00 V	0.00 uA	Of

Kill Every Channel in the System

Date: 7/30/05

Time: 4:42 pm

	Vbias (V)	I (uA)
Csl0	79.35	0.0
Csl1	79.50	0.1
Csl2	80.10	0.4
Csl3	79.70	0.1
Back0	100	4.35
Back1	100	4.02
Back2	100	4.32
Back3	100	2.50
MCP0	1829	56.3
MCP1	1701	55.4
Foil0		
Foil1		

- Main Utility Setup Groups View

17:35

Group 02

Channel Name	V0Set	I0Set	VMbn	IMbn
Tow1Card15	290.00 V	4.00 uA	289.75 V	0.98 uA
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.22 uA
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.96 uA
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.80 uA
Tow2Card12	250.00 V	4.00 uA	250.25 V	0.66 uA
Tow2Card9	110.00 V	4.00 uA	109.75 V	2.00 uA
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.86 uA
Tow2Card3	280.00 V	3.50 uA	280.00 V	0.72 uA
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.94 uA
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.48 uA
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.58 uA
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.96 uA
Tow3Card3	0.00 V	0.10 uA	1.00 V	0.00 uA
Tow0Card15	210.00 V	3.00 uA	209.75 V	0.50 uA
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.76 uA
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.28 uA
Tow0Card6	240.00 V	3.50 uA	239.75 V	2.76 uA
Tow0Card1	0.00 V	0.10 uA	0.00 V	0.00 uA

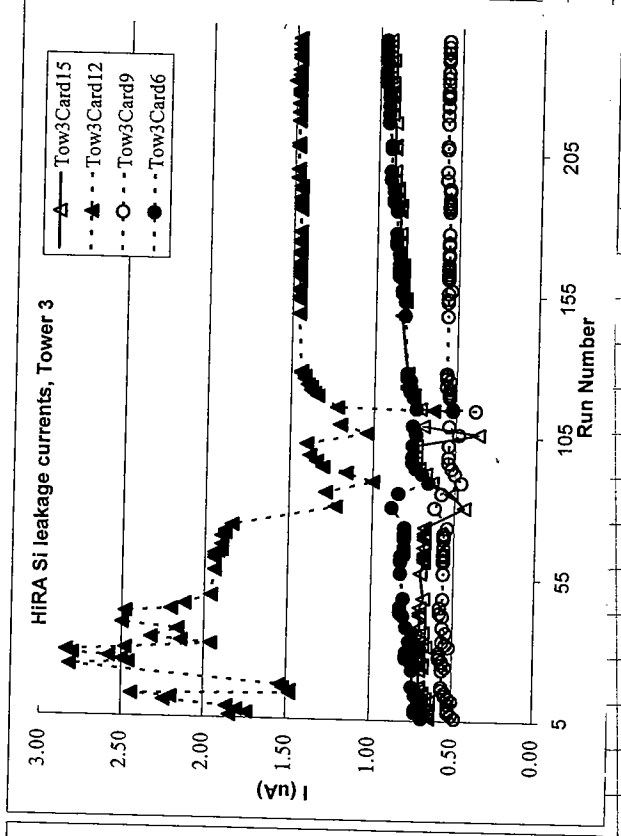
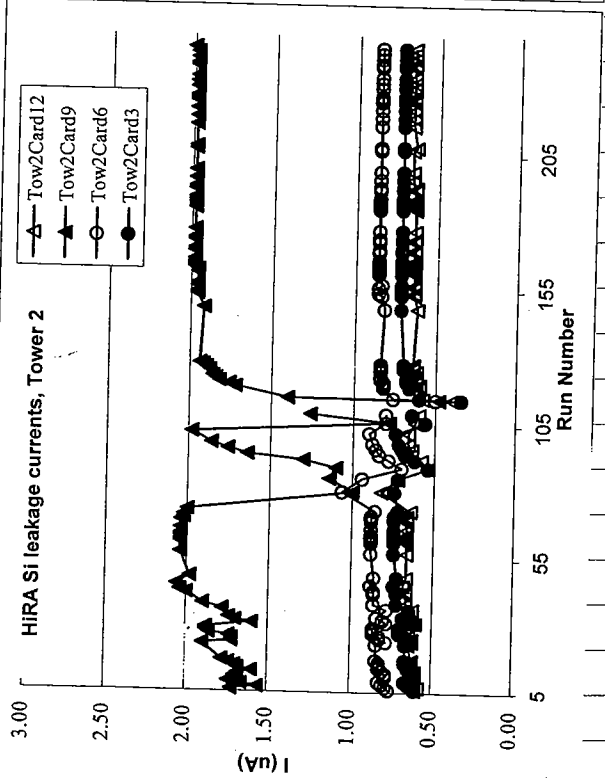
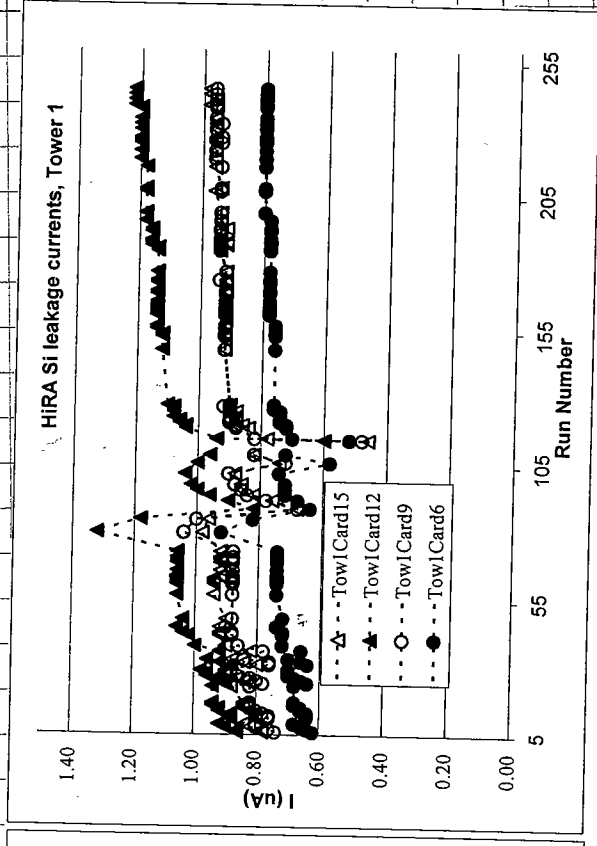
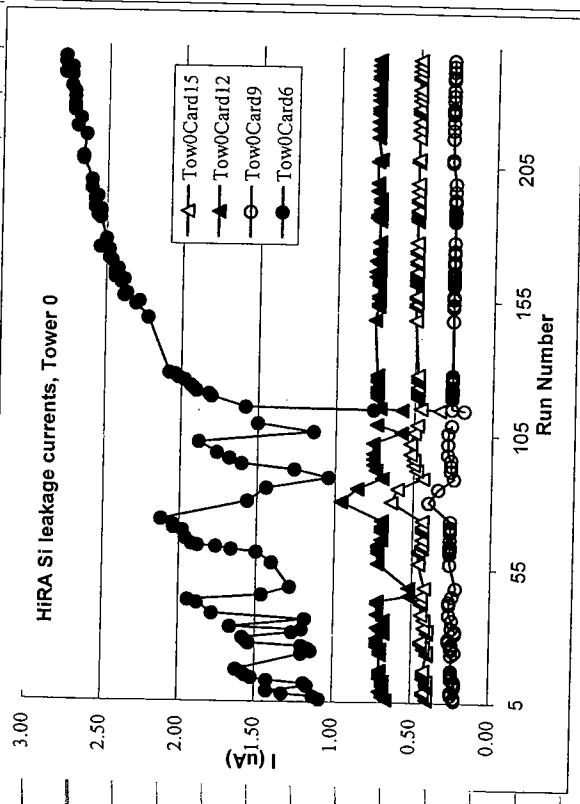
Kill Every Channel in the System

Date: 7/30/05

Time: 17:35

	Vbias (V)	I (uA)
Csl0	79.20	0.0
Csl1	79.75	0.1
Csl2	80.10	0.4
Csl3	79.65	0.1
Back0	4.34	4.31
Back1		4.01
Back2		4.31
Back3		2.51
MCP0	1830	56
MCP1	1701	55
Foil0		
Foil1		

Silicon Leakage Currents



At 6:20 on 7/30/05 (Sunday)
 we are 30 minutes into run 246
 The coincidence HIRA + S800 has dropped
 below 30 counts/sec and is unstable.
 Operator measures beam intensity >600 enA
 which is also unstable.

18:35

- Main Utility Setup Groups View IMon Pw S

Group 02	Channel Name	V0Set	I0Set	WMon	IMo0	n	Pw	S
					uA	uA	On	
						98	uA	On
	Tow1Card15	290.00 V	4.00 uA	289.75 V	1.22 uA		On	
	Tow1Card12	240.00 V	4.00 uA	239.75 V	0.96 uA		On	
	Tow1Card9	295.00 V	3.00 uA	199.75 V	0.88 uA		On	
	Tow1Card6	250.00 V	3.50 uA	294.75 V	0.66 uA		On	
	Tow2Card12	110.00 V	4.00 uA	250.25 V	2.00 uA		On	
	Tow2Card9	250.00 V	4.00 uA	110.00 V	0.86 uA		On	
	Tow2Card6	280.00 V	4.00 uA	249.75 V	0.72 uA		On	
	Tow2Card3	210.00 V	3.50 uA	280.00 V	0.94 uA		On	
	Tow3Card15	200.00 V	3.00 uA	209.75 V	1.48 uA		On	
	Tow3Card12	120.00 V	5.00 uA	200.00 V	0.58 uA		On	
	Tow3Card9	310.00 V	3.00 uA	120.00 V	0.96 uA		On	
	Tow3Card6	0.00 V	3.50 uA	309.50 V	0.08 uA		Off	
	Tow3Card3	210.00 V	0.10 uA	1.00 V	0.50 uA		On	
	Tow0Card15	250.00 V	3.00 uA	209.75 V	0.76 uA		On	
	Tow0Card12	190.00 V	4.00 uA	250025 V	0.28 uA		On	
	Tow0Card9	240.00 V	3.50 uA	239.75 V	2.78 uA		On	
	Tow0Card6	240.00 V	3.50 uA	0.75 V	0.00 uA		On	

Date: 7/30/05
 Time: 18:35

	Vbias (V)	I (uA)
Csl0	79.30	0.0
Csl1	79.75	0.1
Csl2	80.10	0.4
Csl3	79.70	0.1
Back0	4.34	4.31
Back1		4.04
Back2		4.33
Back3		2.52
MCP0	1830	56
MCP1	1701	55
Foil0		
Foil1		

Toggle Parameters Configuration

Bad Display on terminal window

Runs 247, 248 Junk, due to ~~to~~
 problem with DAR.

Run 249

count rate has stabilized a bit,
 stays between 20-30 coincidences/sec.

19:11

- Main Utility Setup Groups View

Group 02	Channel Name	V0Set	I0Set	VMon	IMb0	uA On	IMon	Pw
					.98	uA On		
					.96	uA On		
	Tow1Card15	290.00 V	4.00 uA	289.75 V	0.98	uA On		
	Tow1Card12	240.00 V	4.00 uA	240.00 V	1.22	uA On		
	Tow1Card9	200.00 V	3.00 uA	199.75 V	0.98	uA On		
	Tow1Card6	295.00 V	3.50 uA	295.00 V	0.80	uA On		
	Tow2Card12	250.00 V	4.00 uA	250.25 V	0.66	uA On		
	Tow2Card9	110.00 V	4.00 uA	110.00 V	2.00	uA On		
	Tow2Card6	250.00 V	4.00 uA	249.75 V	0.86	uA On		
	Tow2Card3	280.00 V	3.50 uA	280.00 V	0.72	uA On		
	Tow3Card15	210.00 V	3.00 uA	209.75 V	0.94	uA On		
	Tow3Card12	200.00 V	5.00 uA	200.25 V	1.50	uA On		
	Tow3Card9	120.00 V	3.00 uA	120.00 V	0.58	uA On		
	Tow3Card6	310.00 V	3.50 uA	309.50 V	0.98	uA On		
	Tow3Card3	0.00 V	0.10 uA	1.00 V	0.00	uA Off		
	Tow0Card15	210.00 V	3.00 uA	209.75 V	0.50	uA On		
	Tow0Card12	250.00 V	4.00 uA	250.25 V	0.76	uA On		
	Tow0Card9 et	190.00 V	3.00 uA	190.00 V	0.28	uA On		
	Tow0Card6	240.00 V	3.50 uA	239.75 V	2.78	uA On		
	Toggle Paramet	0.00 V	0.10 uA	0.00 V	0.00	uA Off		

Run 252

Date: 7/30/05
Time: 8:03 pm

- Main Utility Setup Groups View

Group 02	Channel Name	V0Set	I0Set	VMon	IMb0	uA On	IMon	Pw
					.98	uA On		
					.96	uA On		
	Tow1Card15	290.00 V	4.00 uA	289.75 V	0.98	uA On		
	Tow1Card12	240.00 V	4.00 uA	240.00 V	1.22	uA On		
	Tow1Card9	200.00 V	3.00 uA	199.75 V	0.98	uA On		
	Tow1Card6	295.00 V	3.50 uA	294.75 V	0.80	uA On		
	Tow2Card12	250.00 V	4.00 uA	250.25 V	0.66	uA On		
	Tow2Card9	110.00 V	4.00 uA	110.00 V	2.00	uA On		
	Tow2Card6	250.00 V	4.00 uA	249.75 V	0.86	uA On		
	Tow2Card3	280.00 V	3.50 uA	280.00 V	0.72	uA On		
	Tow3Card15	210.00 V	3.00 uA	209.75 V	0.94	uA On		
	Tow3Card12	200.00 V	5.00 uA	200.25 V	1.50	uA On		
	Tow3Card9	120.00 V	3.00 uA	120.00 V	0.58	uA On		
	Tow3Card6	310.00 V	3.50 uA	309.50 V	0.98	uA On		
	Tow3Card3	0.00 V	0.10 uA	1.00 V	0.00	uA Off		
	Tow0Card15	210.00 V	3.00 uA	209.75 V	0.50	uA On		
	Tow0Card12	250.00 V	4.00 uA	250.25 V	0.76	uA On		
	Tow0Card9	190.00 V	3.00 uA	190.00 V	0.28	uA On		
	Tow0Card6	240.00 V	3.50 uA	239.75 V	2.78	uA On		
	Tow0Card1	0.00 V	0.10 uA	0.00 V	0.00	uA Off		

	Vbias (V)	I (uA)
Csl0	79.30	0.0
Csl1	79.80	0.1
Csl2	80.10	0.4
Csl3	79.70	0.1
Back0	100	4.34
Back1	100	4.04
Back2	100	4.33
Back3	100	2.52
MCP0	1830	56.5
MCP1	1700	55.5
Foil0		
Foil1		

beam was tuned prior to Run 252.
Coincidence yield is now > 50. (counts/sec)

58007 HARA

Run 253

21:07

Main Utility Setup Groups View IMb0 uA On .98 uA On

Group 02	Channel Name	V0Set	I0Set	WMon	IMon	Pw
					.96 uA On	
					.98 uA On	
					1.22 uA On	
					0.96 uA On	
					0.80 uA On	
					0.66 uA On	
					2.00 uA On	
					0.86 uA On	
					0.72 uA On	
					0.94 uA On	
					1.50 uA On	
					0.58 uA On	
					0.98 uA On	
					0.00 uA Off	
					0.50 uA On	
					0.76 uA On	
					0.28 uA On	
					2.80 uA On	
					0.00 uA Off	

Date: 7/30/05
Time: 21:10

	Vbias (V)	I (uA)
Csl0	79.20	0.0
Csl1	79.75	0.1
Csl2	80.10	0.4
Csl3	79.65	0.1
Back0		4.36
Back1		4.03
Back2		4.33
Back3		2.52
MCP0	1830	56
MCP1	1701	55
Foil0		
Foil1		

Obj scintillator signal looks bad (continuous
disturbance of amplitude)

Run 255

Coincidence data run

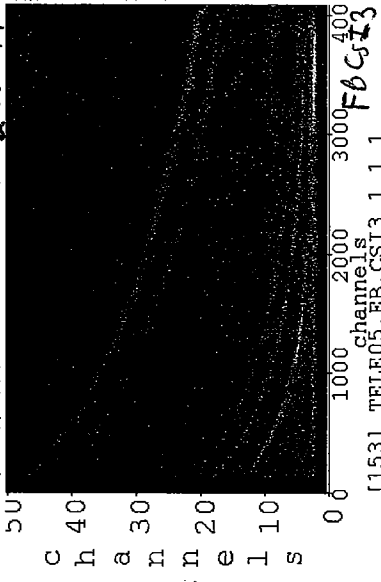
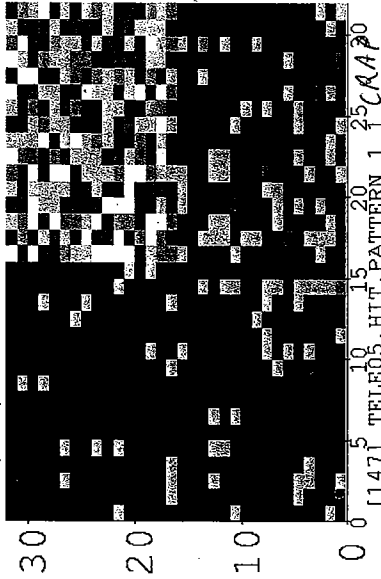
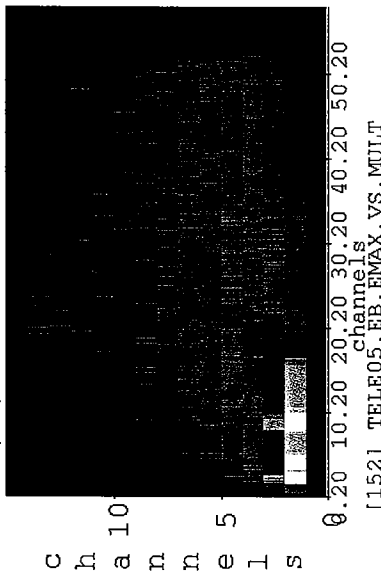
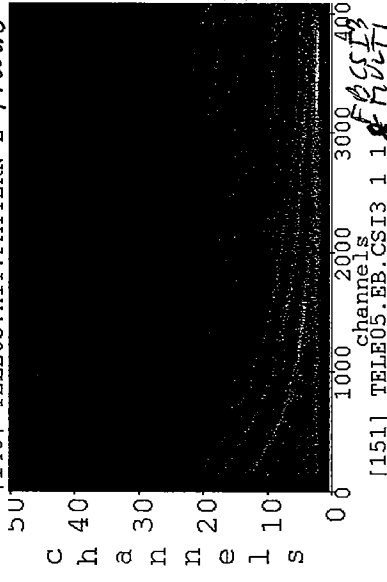
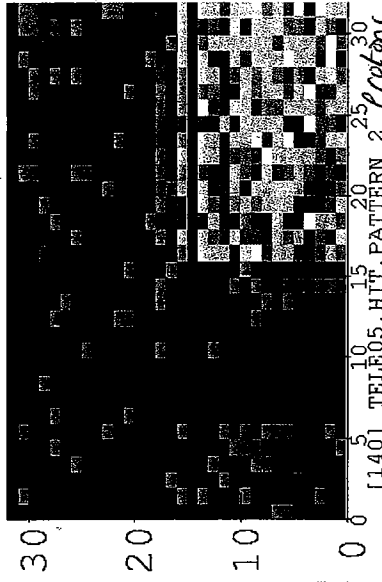
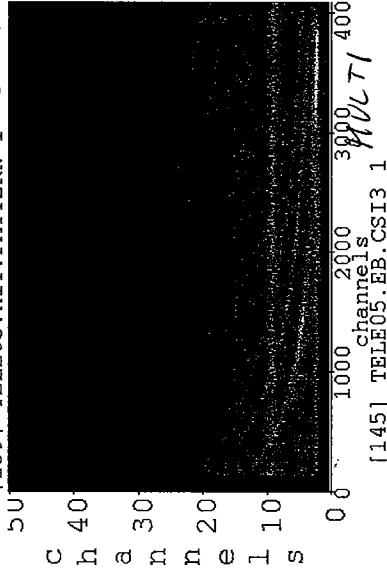
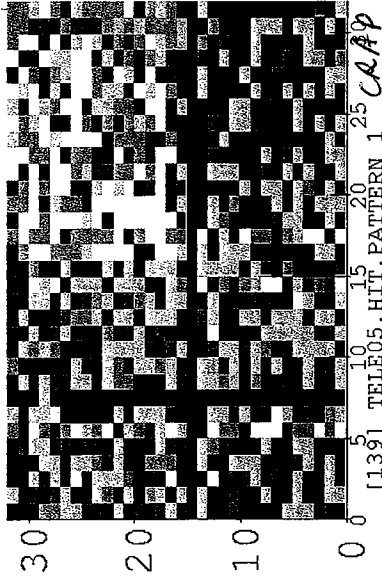
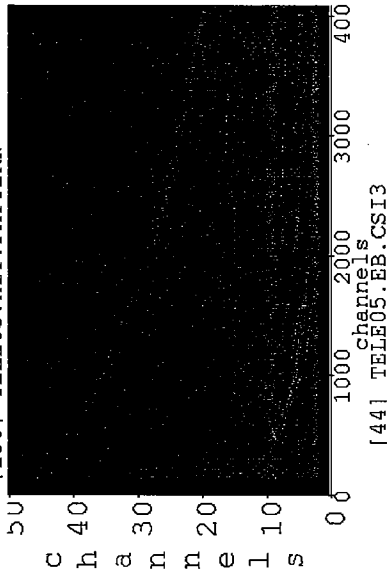
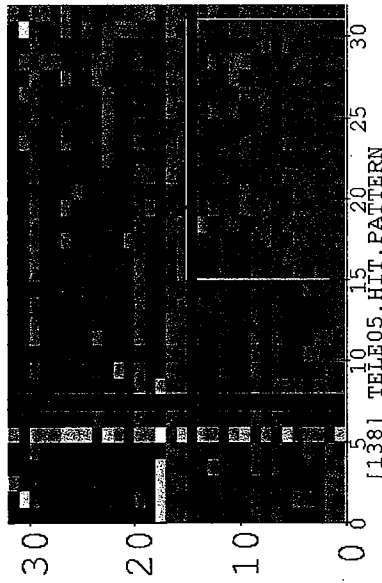
Channel Name	V0Set	I0Set	WMon	IMon	Pw
				.96 uA On	
				1.22 uA On	
				0.84 uA On	
				1.04 uA On	
				0.84 uA On	
				0.72 uA On	
				0.60 uA On	
				1.56 uA On	
				0.78 uA On	
				0.60 uA On	
				0.92 uA On	
				1.22 uA On	
				0.52 uA On	
				0.78 uA On	
				0.00 uA Off	
				0.44 uA On	
				0.72 uA On	
				0.24 uA On	
				1.90 uA On	
				0.00 uA Off	

Date: 7/30/05
Time: 11:49 pm

	Vbias (V)	I (uA)
Csl0	79.35	0.0
Csl1	79.80	0.1
Csl2	80.10	0.4
Csl3	79.70	0.1
Back0	100	3.42
Back1	100	3.57
Back2	100	3.68
Back3	100	2.26
MCP0	1836	56.6
MCP1	1705	55.6
Foil0		
Foil1		

Runs 152, 153, 155-158

INVESTIGATION OF BACKGROUND IN PID SPECTRA



Spectrum 145

X 1556.00

Y 1.27

Counts 0

Run 257

2 calibration while tuning beam
about 600 enA returned

Run 258

at 1:25 am, volts and amps are:

Tow1Card12	240.00 V	4.00 uA	239.75 V	1.22 uA	On
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.92 uA	On
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.14 uA	On
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.92 uA	On
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.76 uA	On
Tow2Card12	250.00 V	4.00 uA	250.25 V	0.62 uA	On
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.72 uA	On
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	On
Tow2Card3	280.00 V	3.50 uA	280.00 V	0.66 uA	On
Tow3Card15	210.00 V	3.00 uA	210.00 V	0.94 uA	On
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.36 uA	On
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.56 uA	On
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.84 uA	On
Tow3Card3	0.00 V	0.10 uA	1.25 V	0.00 uA	Off
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.48 uA	On
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.76 uA	On
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.26 uA	On
Tow0Card6	240.00 V	3.50 uA	239.75 V	2.36 uA	On
Tow0Card1	0.00 V	0.10 uA	0.00 V	0.00 uA	Off

Date:
Time:

	Vbias (V)	I (uA)
Csl0	79.30	0.0
Csl1	79.80	0.1
Csl2	80.10	0.4
Csl3	79.70	0.1
Back0	100	3.91
Back1	100	3.83
Back2	100	3.96
Back3	100	2.38
MCP0	1836	56.6
MCP1	1706	55.7
Foil0		
Foil1		

2:15 AM

Obj sight MV raised from 1.47 to 1.52 kV

XFP sight HV from 1235 to 1285 V

RAN 260

Channel Name	V0Set	I0Set	VMon	IMon	PW
Tow1Card15	240.00 V	4.00 uA	239.75 V	1.22 uA	On
Tow1Card12	290.00 V	4.00 uA	290.00 V	0.94 uA	On
Tow1Card15	240.00 V	4.00 uA	240.00 V	1.16 uA	On
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.92 uA	On
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.78 uA	On
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.64 uA	On
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.80 uA	On
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.84 uA	On
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On
Tow3Card15	210.00 V	3.00 uA	210.00 V	0.96 uA	On
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.38 uA	On
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.56 uA	On
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.86 uA	On
Tow3Card3	0.00 V	0.10 uA	1.25 V	0.00 uA	Off
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.48 uA	On
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.76 uA	On
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.26 uA	On
Tow0Card6	240.00 V	3.50 uA	239.75 V	2.48 uA	On
Tow0Card1	0.00 V	0.10 uA	0.00 V	0.00 uA	Off

Date: 07/31/05
Time: 02:17

	Vbias (V)	I (μ A)
Csl0	79.25	0
Csl1	79.75	0.1
Csl2	79.65	0.1
Csl3	80.1	0.4
Back0	100.1	3.99
Back1	100.0	3.88
Back2	100	4.04
Back3	100	2.4
MCP0	1836	56.6
MCP1	1706	55.6
Foil0		
Foil1		

Readout problem: no data coming.

We applied procedure for S800 VME Reset

- Turned CADC, IC, PDAC HV OFF

- Reset VME

- Turned HV on again

⇒ Looks OK

Run 261

Prior to Run 261, data had stopped coming in. Error message on RUN CONTROL window was

VME failed to detect mail from FPGA in TRACKI-PADS (slot 4)

Wrong mail ID returned from FPGA: 0

The CRDC, IC & PPAC HV were turned off using GUI. S800 VME crate was reset. HV turned back on.

Run 261 data OK. (Run 260 data probably OK also).

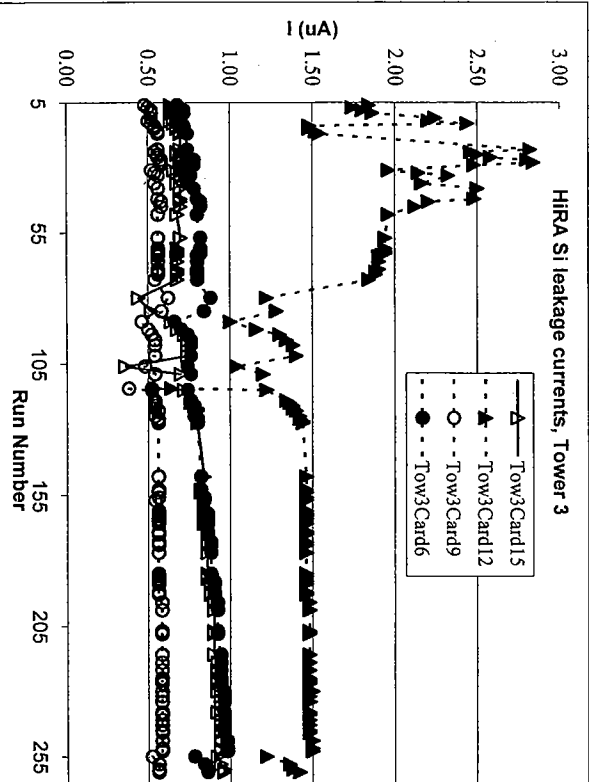
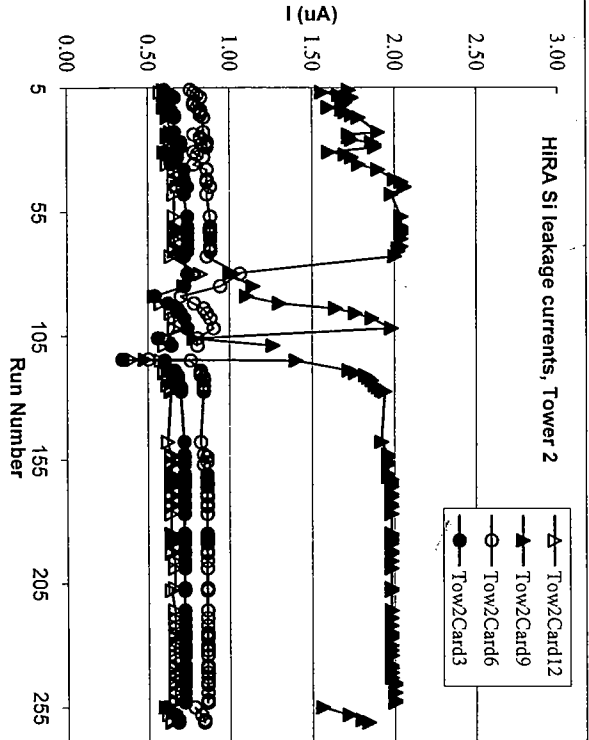
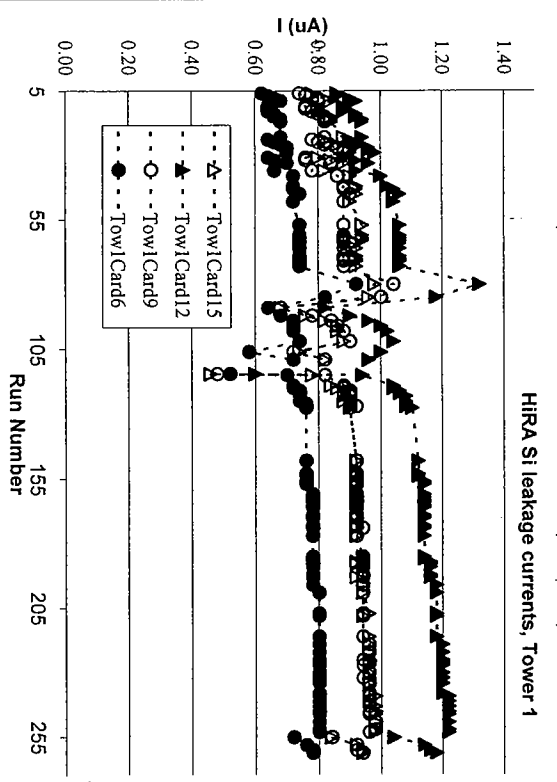
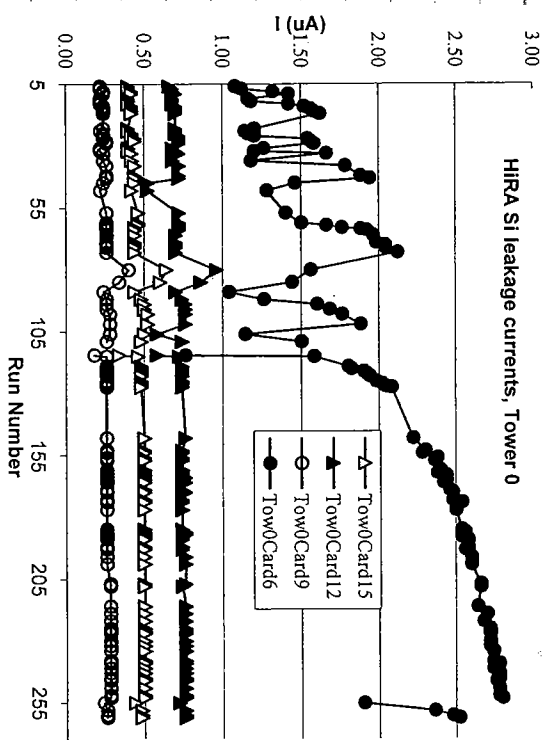
Volts & Amps at 3:20 7/31/05

Tow1Card12	240.00 V	4.00 μ A	239.75 V	1.22 μ A	On
Tow1Card15	290.00 V	4.00 μ A	290.00 V	0.94 μ A	On
Tow1Card12	240.00 V	4.00 μ A	240.00 V	1.18 μ A	On
Tow1Card9	200.00 V	3.00 μ A	199.75 V	0.94 μ A	On
Tow1Card6	295.00 V	3.50 μ A	294.75 V	0.78 μ A	On
Tow2Card12	250.00 V	4.00 μ A	250.00 V	0.64 μ A	On
Tow2Card9	110.00 V	4.00 μ A	109.75 V	1.84 μ A	On
Tow2Card6	250.00 V	4.00 μ A	249.75 V	0.84 μ A	On
Tow2Card3	280.00 V	3.50 μ A	279.75 V	0.68 μ A	On
Tow3Card15	210.00 V	3.00 μ A	210.00 V	0.96 μ A	On
Tow3Card12	200.00 V	5.00 μ A	200.00 V	1.42 μ A	On
Tow3Card9	120.00 V	3.00 μ A	120.00 V	0.56 μ A	On
Tow3Card6	310.00 V	3.50 μ A	309.50 V	0.86 μ A	On
Tow3Card3	0.00 V	0.10 μ A	1.25 V	0.00 μ A	Off
Tow0Card15	210.00 V	3.00 μ A	210.00 V	0.48 μ A	On
Tow0Card12	250.00 V	4.00 μ A	250.25 V	0.76 μ A	On
Tow0Card9	190.00 V	3.00 μ A	190.00 V	0.26 μ A	On
Tow0Card6	240.00 V	3.50 μ A	239.75 V	2.52 μ A	On
Tow0Card1	0.00 V	0.10 μ A	0.00 V	0.00 μ A	Off

Date:

Time:

	Vbias (V)	I (μ A)
Csl0	79.20	0.0
Csl1	79.75	0.1
Csl2	80.10	0.4
Csl3	79.65	0.1
Back0	100	4.04
Back1	100	3.91
Back2	100	4.11
Back3	100	2.42
MCP0	1836	56.5
MCP1	1706	55.6
Foil0		
Foil1		



Run 262

test run toward 4. setup

↓ calibration, & source downstream of
MCP

	I0Set	V0Set	VMbn	I0Set	VMbn	IMbn	Pw	Status	Pw
Tow1Card6	4.00	uA	289.75	V	1.14	uA	On		
Tow2Card12	290.00	V	4.00	uA	289.75	V	1.14	uA	On
Tow2Card9	290.00	V	4.00	uA	289.75	V	0.88	uA	On
Tow1Card15	200.00	V	3.00	uA	140.00	V	1.14	uA	On
Tow1Card12	295.00	V	3.50	uA	200.00	V	0.88	uA	On
Tow1Card9	250.00	V	4.00	uA	254.75	V	0.82	uA	On
Tow1Card6	110.00	V	4.00	uA	109.25	V	1.68	uA	On
Tow2Card12	250.00	V	4.00	uA	210.00	V	1.04	uA	On
Tow2Card9	280.00	V	3.50	uA	249.75	V	0.86	uA	On
Tow2Card6	210.00	V	3.00	uA	279.75	V	0.62	uA	On
Tow2Card3	200.00	V	5.00	uA	210.00	V	1.78	uA	On
Tow3Card15	120.00	V	3.00	uA	120.00	V	0.06	uA	On
Tow3Card12	310.00	V	3.50	uA	309.50	V	1.58	uA	On
Tow3Card9	0.00	V	0.10	uA	09.50	V	0.84	uA	Off
Tow3Card6	210.00	V	3.00	uA	209.75	V	0.70	uA	On
Tow3Card3	250.00	V	4.00	uA	209.75	V	1.54	uA	On
Tow0Card15	190.00	V	3.00	uA	190.50	V	0.80	uA	On
Tow0Card12	240.00	V	3.50	uA	240.00	V	1.30	uA	On
Tow0Card9	0.00	V	0.10	uA	0.00	V	1.46	uA	Off
Tow0Card6									
Tow0Card1									

Date: 31 July
Time: ~16:00

	Vbias (V)	I (uA)
Back0		3.17
Back1		3.27
Back2		3.29
Back3		2.26
MCP0		
MCP1		
Foil0		
Foil1		

Run 263

& again

new file loads

exp - 02023 - low. Setup

run # 264

265 same

Config was wrong. polling was not correct

266 alpha

267 alpha same

1 August 08/01/05

NCPI test HV/NCPI = 2.0 kV

HV foil \approx 800 V

run # 268 alpha calibration, target (plastic)
NCPI, singles

269 pedestal run (1 min)

Mask on targets, plastic in coincidence

run # 270 & NCPI mask calibration

run 271

NCPI mask calibra^o

run 272

(continuation of run 270)

08/02/05

RUN 273

MCP @ singles run, α source,

$$U_{MCP} = 2 \text{ kV}$$

$$U_{\text{post}} = 1 \text{ kV}$$

RUN 274

MCP @ mark run, α source

$$U_{MCP} = 2 \text{ kV}$$

$$U_{\text{post}} = 1 \text{ kV}$$

$$U_{\text{plastic}} = 1.9 \text{ kV}$$

RUN 275

Continuation of run ~~274~~ 274-5-05 CsI pulses, ramp
low gain setting5_{hp} - low-gain.dat
disc test run.datRuns ~~#276~~ #278

<u>DAC</u>	<u>Value</u>	<u>Read out value</u>
	0.05	0.053
	0.1	0.103
	0.15	0.153
	0.2	0.203
	0.25	0.253 0.254
	0.3	0.304
	0.35	0.354
	0.4	0.404
	0.45	0.454
	0.5	0.504
	0.55	0.554
	0.6	0.605
	0.65	0.655
	0.7	0.705

(cont.)

<u>DAC</u>	<u>Readout</u>
0.75	0.755
0.8	0.805
0.9	0.906
* 1.0	1.006
1.1	1.106
1.2	1.206 1.207
1.3	1.307
1.4	
1.5	
1.6	

Pulsar test run for high gain setting.
 Ramp from 0. to 0.75 V in increments of 0.05 V
 with extra time at 0.35

<u>DAC</u>	<u>Setting</u>
0.05 0.05	0.053
0.1	0.103
0.15	0.153
0.2	0.203 0.203
0.25	0.253 0.254
0.3	0.304
0.35	0.354
0.4	0.404
0.45	0.454
0.5	0.504
0.55	0.554
0.6	0.605
0.65	0.655
0.7	0.705
0.75	0.755

6 August 2005

~ 17

alpha calibrations

Run # 280

chip 3-5-0 ch 11 ✓

chip 0-6-0 ch 10 ✓

chip 0-9-0 ~~ch 0~~ ch (4) and ch (17)

chip 0-9-1 ch 10 new

chip 1-11-1 ch 7

chip 2-8-0 ch 5 new

chip 2-6-0 ch 11

chip 3-12-0 ch 8, 9, 10, 14, 15

chip 3-12-1 ch 0, 1, 9, 10, 13, (17?)

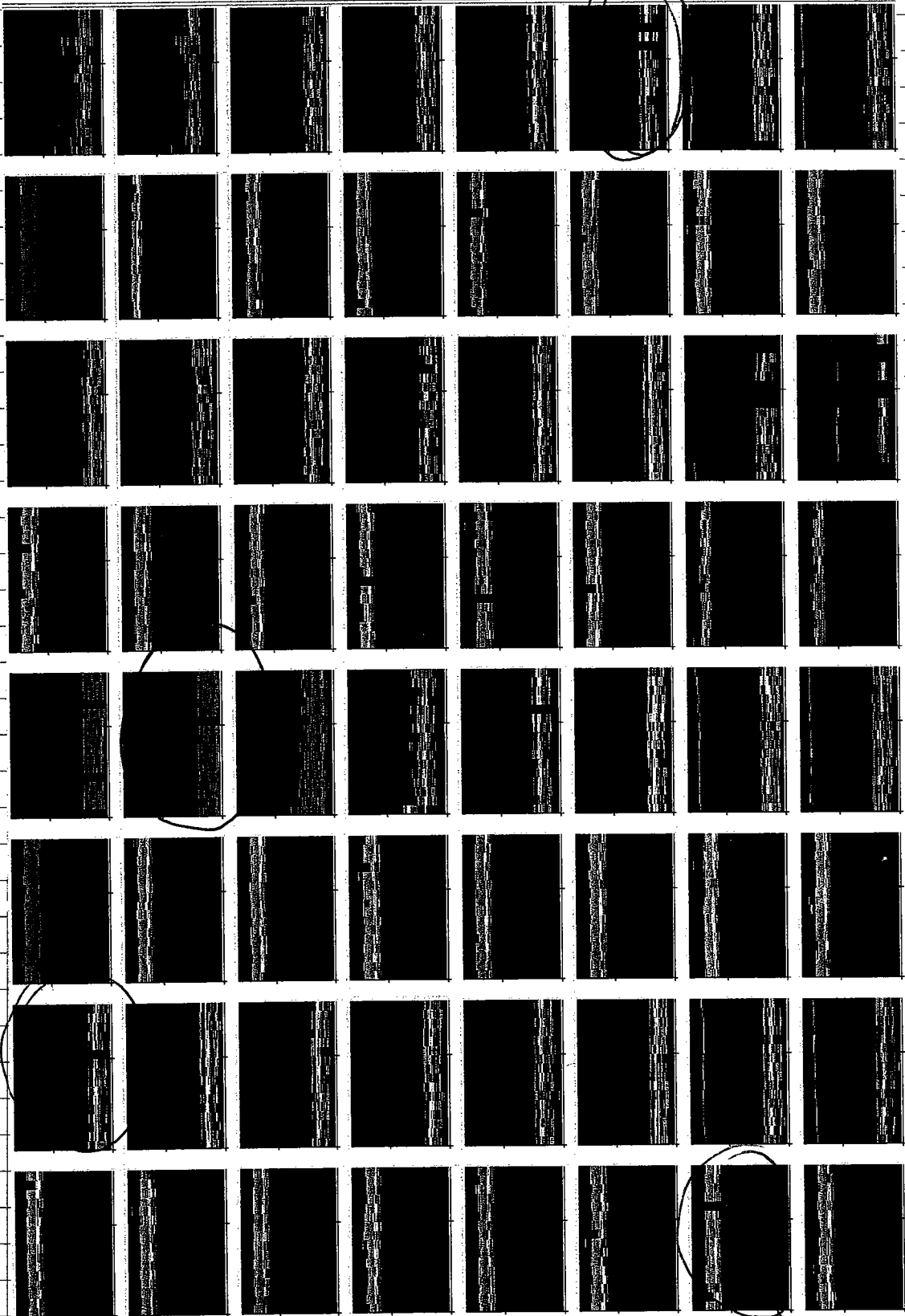
chip 2-12-1 ch 11, 13 new

2 channels

We found 5 new broken channels (see page

115)

log book - 1



problems

2-6-05

CsI Pulse Ramp

~~1-7-05~~

DAC

2-7-05

Values

Readout value

(2.53)

0.05

0.1

0.15

0.2

0.25

0.3

0.35

0.4

0.45

0.5

0.55

0.6

0.65

0.7

0.8

0.9

1

1.1

1.2

1.3

1.4

1.5

1.6

1.7

1.8

1.9

2.

2.1

2.2

2.3

2.4 at other run

284, other 289

2.5

2.6

2.7

2.8

2.9



8 August

Shaper 3

We found 'CH5' in CSI-3 is not working

CAON SUPPLY

tbluct

caon hv ~~Q~~ L 1527

user

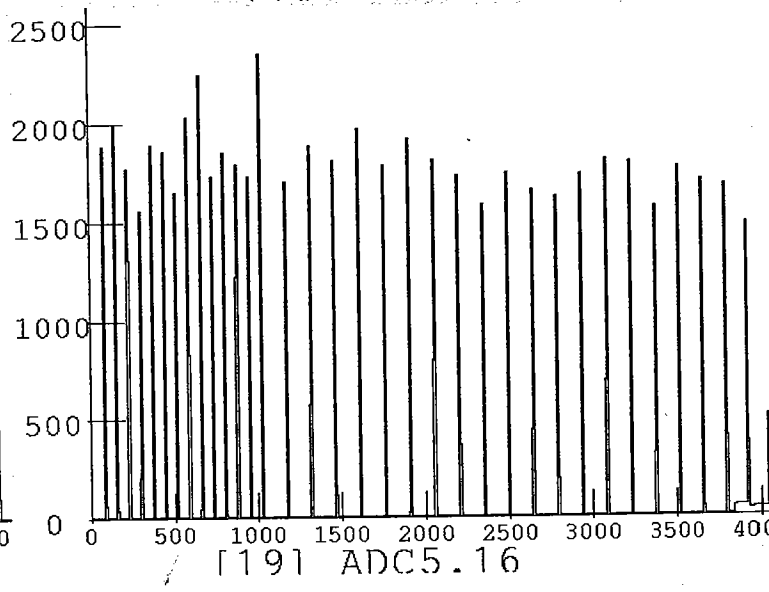
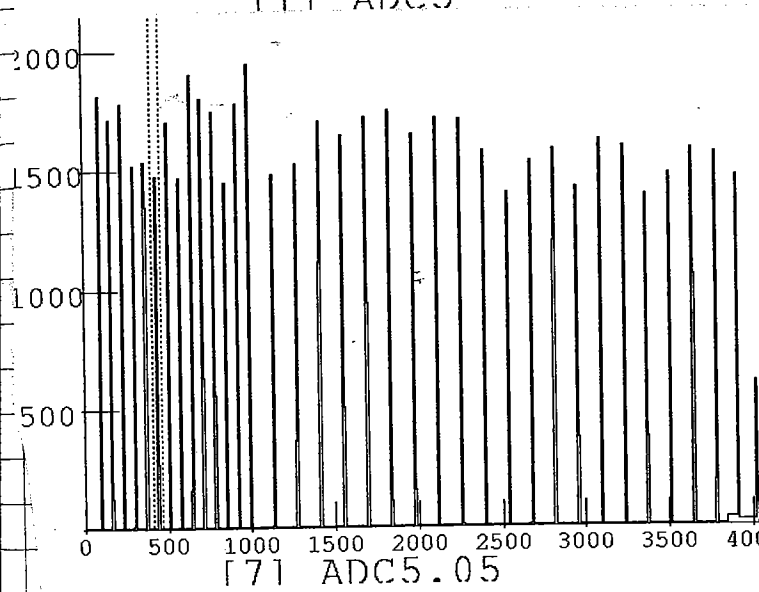
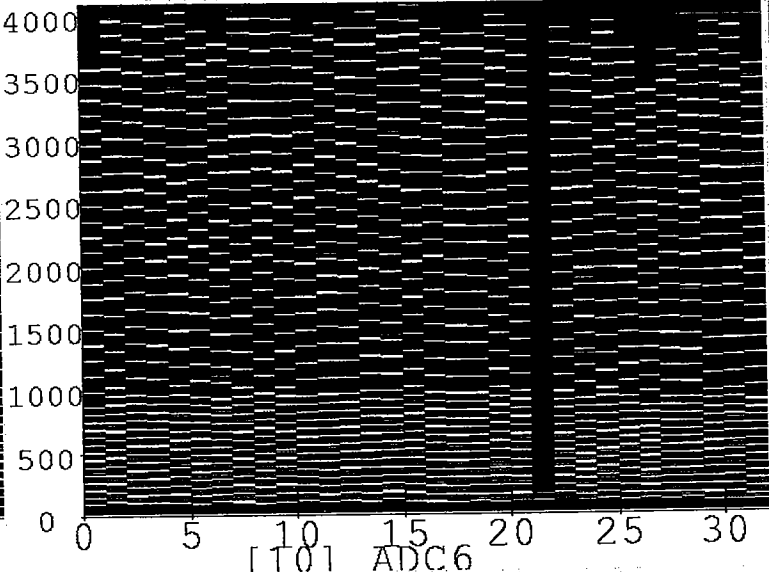
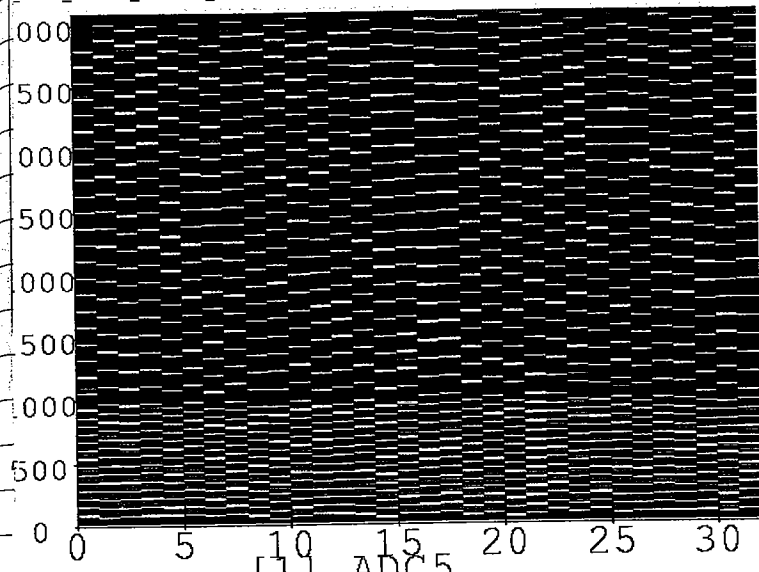
user

Tab → Groups 1

/05 CSI pulser ramp RUN 285

rate/volts	DAC setting	ADC reading	(Voltmeter) Pulser reading	
	0.05	0.048	0.054	-
	0.1	0.098	0.104	/
	0.15	0.148	0.155	/
	0.2	0.198	0.205	/
	0.25	0.248	0.255	/
	0.3	0.298	0.305	/
	0.35	0.348	0.355	/
	0.4	0.398	0.405	/
	0.45	0.448	0.455	/
	0.5	0.498	0.505	
	0.55	0.548	0.556	
	0.6	0.598	0.606	
	0.65	0.648	0.656	
	0.7	0.698	0.706	
	0.8	0.799	0.807	
	0.9	0.899	0.907	
	1.0	0.998	1.007	
	1.1	1.098	1.107	
	1.2	1.198	1.208	
	1.3	1.299	1.308	
	1.4	1.399	1.409	
	1.5	1.498	1.509	
	1.6	1.598	1.609	
	1.7	1.698	1.710	
	1.8	1.799	1.810	
	1.9	1.899	1.910	
	2.0	1.999	2.010	
	2.1	2.099	2.111	
	2.2	2.199	2.211	
	2.3	2.299	2.312	
	2.4	2.399	2.412	
	2.5	2.499	2.512	
	2.6	2.599	2.613	
	2.7	2.699	2.713	
	2.8	2.799	2.813	
	2.9	2.899	2.914	

run
286

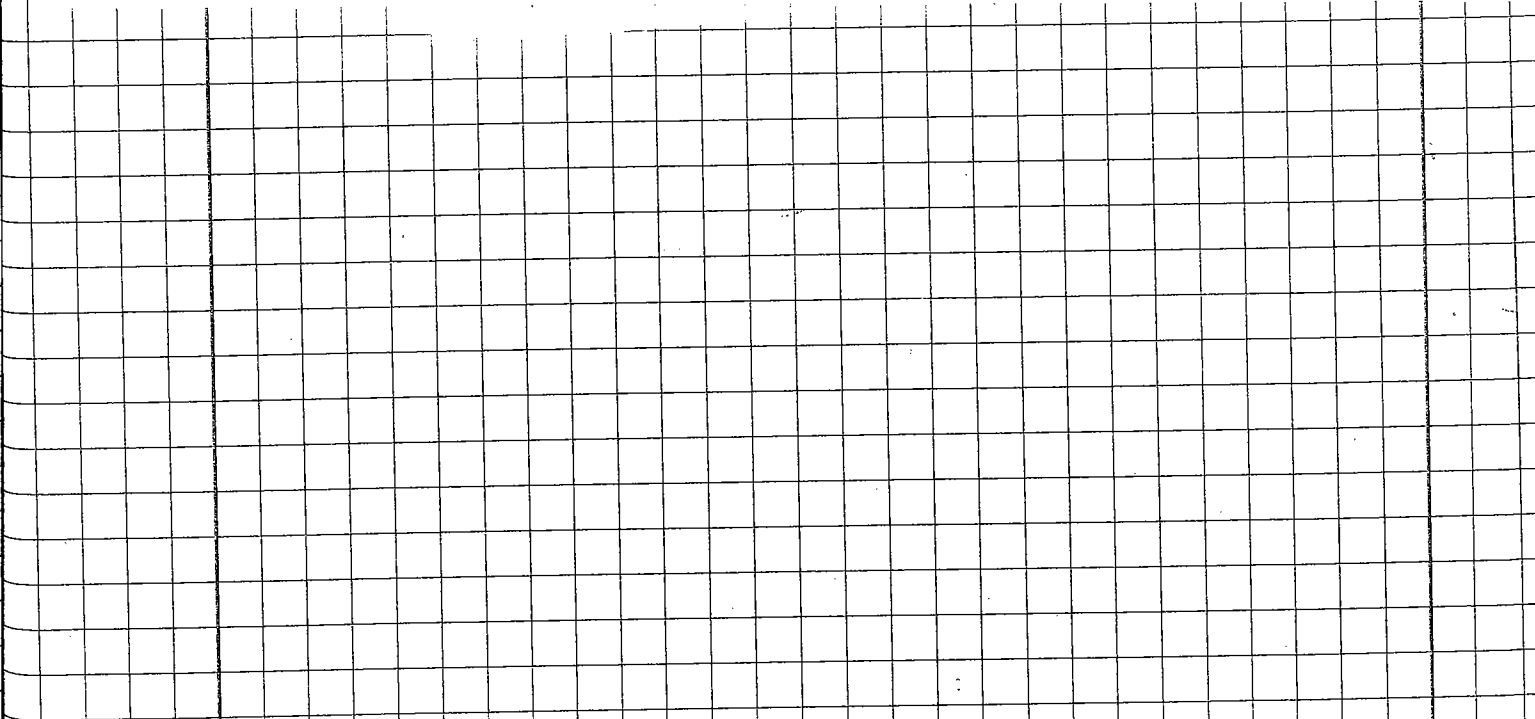


19

X 2071

Y 2302

Counts 0



10 August

10 45

Run ~~207~~

- Main Utility Setup Groups View

Group 02							User
Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Ch#
Tow1Card15	290.00 V	4.00 uA	290.25 V	0.42 uA	0n		0.04.005
Tow1Card12	240.00 V	4.00 uA	240.00 V	0.54 uA	0n		0.04.006
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.44 uA	0n		0.04.007
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.46 uA	0n		0.04.008
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.38 uA	0n		0.04.011
Tow2Card9	110.00 V	4.00 uA	109.75 V	0.46 uA	0n		0.04.012
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.48 uA	0n		0.04.013
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.32 uA	0n		0.04.014
Tow3Card15	210.00 V	3.00 uA	209.50 V	0.50 uA	0n		0.04.015
Tow3Card12	200.00 V	5.00 uA	200.00 V	0.62 uA	0n		0.04.016
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.34 uA	0n		0.04.017
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.48 uA	0n		0.04.018
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.30 uA	0n		0.04.000
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.58 uA	0n		0.04.001
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.16 uA	0n		0.04.002
Tow0Card6	240.00 V	3.50 uA	239.50 V	0.70 uA	0n		0.04.003

Display/Edit Group 02

LocEn V0 I0 T | CAEN SY2527

Date:

Time:

	Vbias (V)	I (uA)
Csl0	79.25	0.0
Csl1	79.80	0.1
Csl2	79.70	0.1
Csl3	80.15	0.4
Back0		1.83
Back1		1.99
Back2		1.76
Back3		1.58
MCP0		
MCP1		
Foil0		
Foil1		

- # 288 Unreacted beam 7.5 BF in center
- # 289 unreacted beam. XFP slit was shifted +1 mm
- # 290 slit at -1mm shift
- # 291 - 2mm
- # 292

Main Utility Setup Groups View

Group 02	Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	User	Ch#
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.68 uA	On		0.04.005		
Tow1Card12	240.00 V	4.00 uA	240.00 V	0.80 uA	On		0.04.006		
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.68 uA	On		0.04.007		
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.60 uA	On		0.04.008		
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.56 uA	On		0.04.011		
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.56 uA	On		0.04.012		
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.70 uA	On		0.04.013		
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.54 uA	On		0.04.014		
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.74 uA	On		0.04.015		
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.26 uA	On		0.04.016		
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.48 uA	On		0.04.017		
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.66 uA	On		0.04.018		
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.40 uA	On		0.04.009		
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.66 uA	On		0.04.001		
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.20 uA	On		0.04.002		
Tow0Card6	240.00 V	3.50 uA	239.75 V	1.02 uA	On		0.04.003		

Display/Edit Group 02 LocEn V0 I0 T | CAEN SY2527

Date:

Time:

	Vbias (V)	I (uA)
Csl0		
Csl1		
Csl2		
Csl3		
Back0	7180	2.36
Back1		2.81
Back2		3.4
Back3		1.9
MCP0		1824
MCP1		1752
Foil0		
Foil1		

299

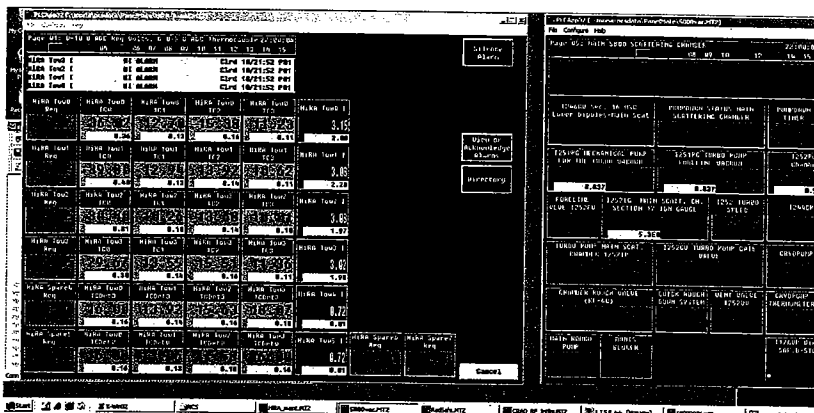
Alpha calibration

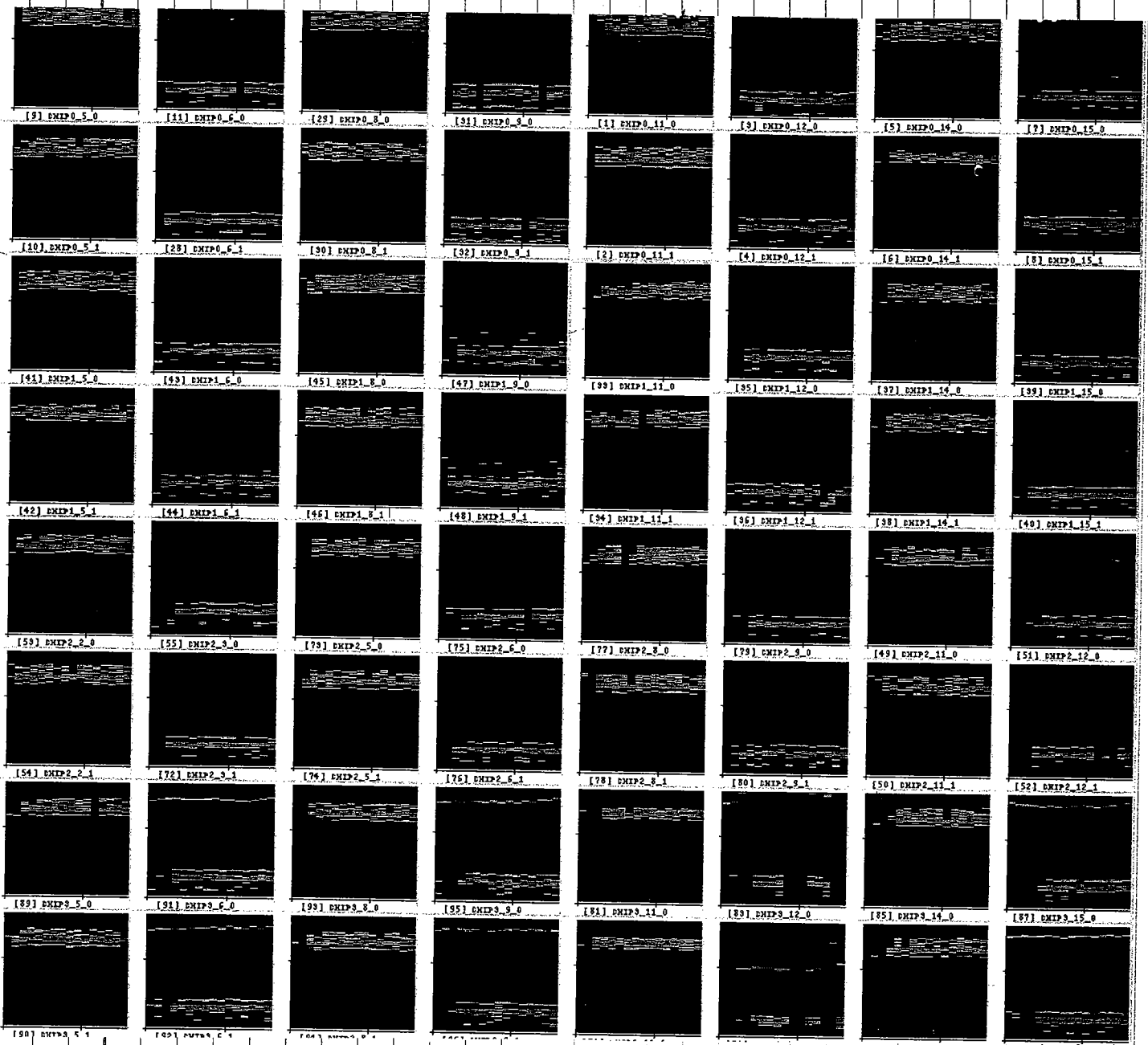
300

alpha again and again!

1.

302





- Main Utility Setup Groups View

Group 02							User
Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Ch#
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.72 uA	0n	0.04.005	0.04.005
Tow1Card12	240.00 V	4.00 uA	240.00 V	0.86 uA	0n	0.04.006	0.04.006
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.74 uA	0n	0.04.007	0.04.007
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.64 uA	0n	0.04.008	0.04.008
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.58 uA	0n	0.04.011	0.04.011
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.56 uA	0n	0.04.012	0.04.012
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.76 uA	0n	0.04.013	0.04.013
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.60 uA	0n	0.04.014	0.04.014
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.78 uA	0n	0.04.015	0.04.015
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.34 uA	0n	0.04.016	0.04.016
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.50 uA	0n	0.04.017	0.04.017
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.72 uA	0n	0.04.018	0.04.018
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.44 uA	0n	0.04.009	0.04.009
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.70 uA	0n	0.04.001	0.04.001
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	0n	0.04.002	0.04.002
Tow0Card6	240.00 V	3.50 uA	239.50 V	1.64 uA	0n	0.04.003	0.04.003

Display/Edit Group 02

LocEn V0 I0

T | CAEN SY2527

Date:

Time:

	Vbias (V)	I (μA)
Csl0		
Csl1		
Csl2		
Csl3		
Back0		3.1
Back1		3.1
Back2		3.64
Back3		2.4
MCP0		
MCP1		
Foil0		
Foil1		

Run 303 Alpha source
3.6, 3.05

- Main Utility Setup Groups View							User
Group 02							Ch#
Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.76 uA	On		0.04.005
Tow1Card12	240.00 V	4.00 uA	240.00 V	0.90 uA	On		0.04.006
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.76 uA	On		0.04.007
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.66 uA	On		0.04.008
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.58 uA	On		0.04.011
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.68 uA	On		0.04.012
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.78 uA	On		0.04.013
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.62 uA	On		0.04.014
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.80 uA	On		0.04.015
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.40 uA	On		0.04.016
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.52 uA	On		0.04.017
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.72 uA	On		0.04.018
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.44 uA	On		0.04.000
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.70 uA	On		0.04.001
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	On		0.04.002
Tow0Card6	240.00 V	3.50 uA	239.50 V	1.70 uA	On		0.04.003

Display/Edit Group 02

LocEn V0 I0 T | CAEN SY2527

1101

Run 307

1:57

Silicon run trigger → No beam
peaks are due to beam only
no activity that Spectra

- Main Utility Setup Groups View

Group 02							User
Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Ch#
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.78 uA	On		0.04.005
Tow1Card12	240.00 V	4.00 uA	240.00 V	0.92 uA	On		0.04.006
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.76 uA	On		0.04.007
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.66 uA	On		0.04.008
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.60 uA	On		0.04.011
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.72 uA	On		0.04.012
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.78 uA	On		0.04.013
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.64 uA	On		0.04.014
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.80 uA	On		0.04.015
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.42 uA	On		0.04.016
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.52 uA	On		0.04.017
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.74 uA	On		0.04.018
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.44 uA	On		0.04.000
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.70 uA	On		0.04.001
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	On		0.04.002
Tow0Card6	240.00 V	3.50 uA	239.50 V	1.74 uA	On		0.04.003

Display/Edit Group 02 LocEn V0 I0 T | CAEN SY2527

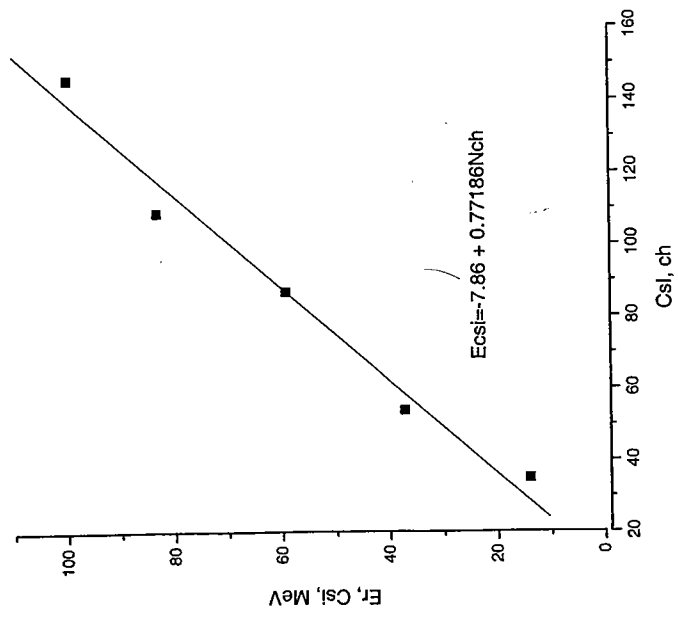
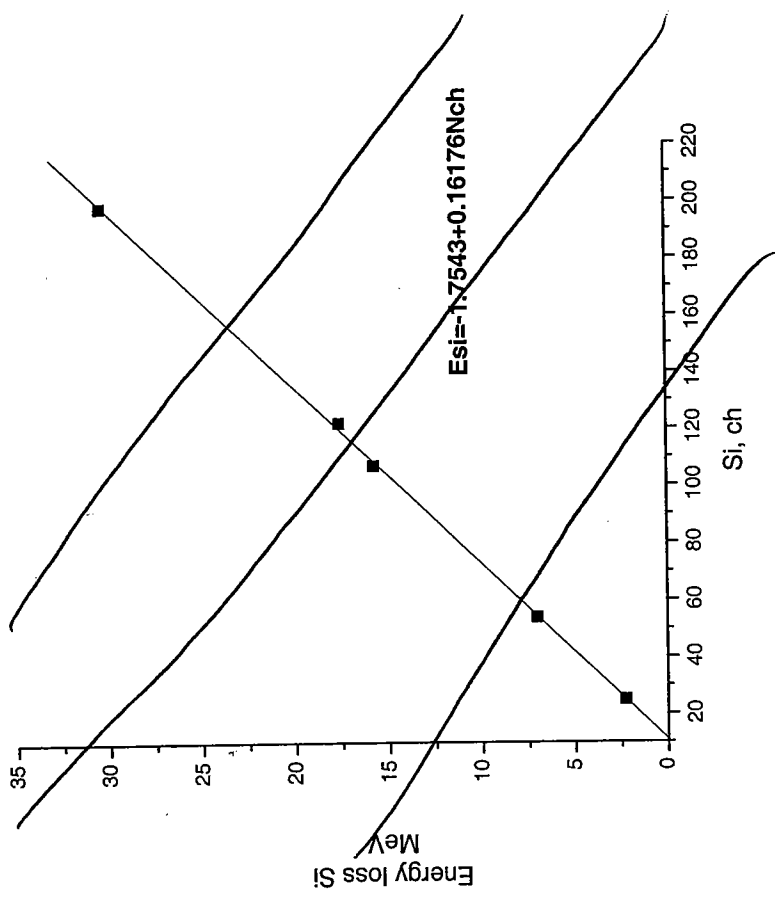
Run 309

Si trigger Gold target

- Main Utility Setup Groups View

Group 02							User
Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Ch#
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.78 uA	On		0.04.005
Tow1Card12	240.00 V	4.00 uA	240.00 V	0.94 uA	On		0.04.006
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.78 uA	On		0.04.007
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.68 uA	On		0.04.008
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.60 uA	On		0.04.011
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.82 uA	On		0.04.012
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.80 uA	On		0.04.013
Tow2Card3	280.00 V	3.50 uA	280.00 V	0.66 uA	On		0.04.014
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.82 uA	On		0.04.015
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.48 uA	On		0.04.016
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.52 uA	On		0.04.017
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.74 uA	On		0.04.018
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.44 uA	On		0.04.000
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.70 uA	On		0.04.001
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	On		0.04.002
Tow0Card6	240.00 V	3.50 uA	239.75 V	1.84 uA	On		0.04.003

Display/Edit Group 02 LocEn V0 I0 T | CAEN SY2527

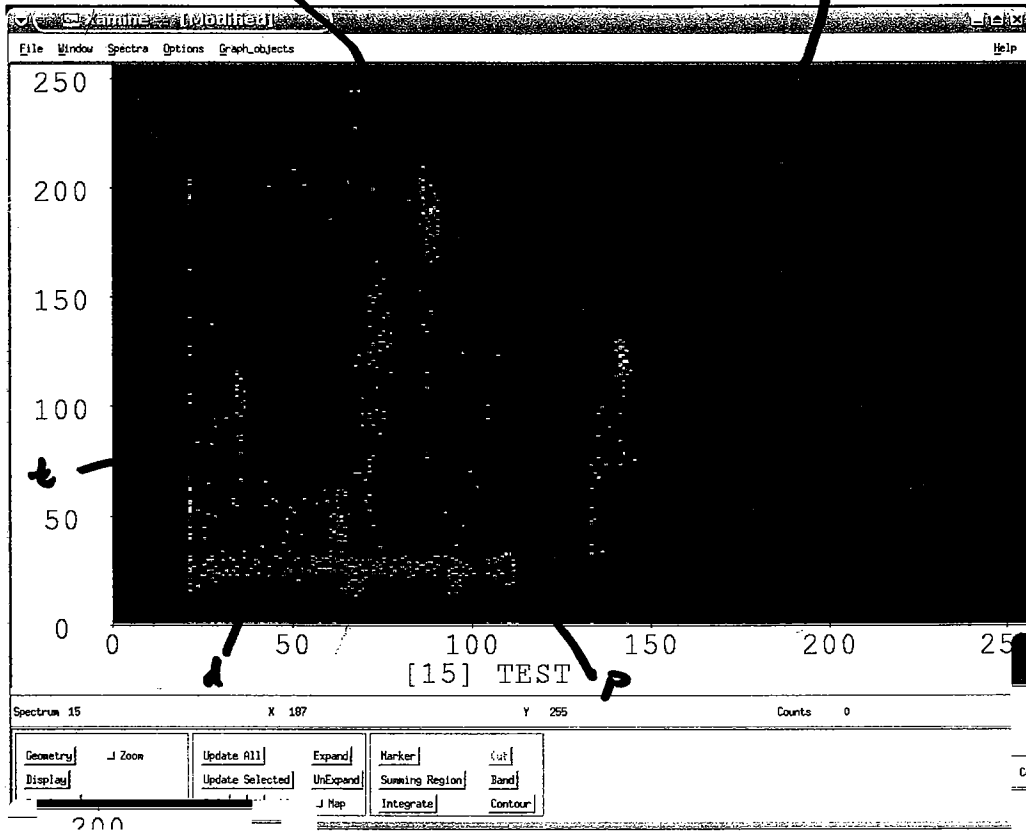


*CS I - pdt - ke . jpg in directory
(current Images)*

08/11/05

http://www.nsl.msu.edu/~02023/figviewer.php?filename=scat_calibration.jpg

#1



08/11/05

http://www.nsl.msu.edu/~02023/figviewer.php?filename=scat_calibration.jpg

#2

Thu 11 Aug 05 05 56 49

HIRA Particle ID plot for telescope 10 scattering calibration.

7⁰⁰ beam was refocused, now intensity

is 200 c/h A

run 310

Run 310

Main Utility Setup Groups View							User
Group 02							
Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Ch#
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.78 uA	0n		0.04.005
Tow1Card12	240.00 V	4.00 uA	240.00 V	0.94 uA	0n		0.04.006
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.78 uA	0n		0.04.007
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.68 uA	0n		0.04.008
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.60 uA	0n		0.04.011
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.84 uA	0n		0.04.012
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.80 uA	0n		0.04.013
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.66 uA	0n		0.04.014
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.84 uA	0n		0.04.015
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.50 uA	0n		0.04.016
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.52 uA	0n		0.04.017
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.76 uA	0n		0.04.018
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n		0.04.000
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.72 uA	0n		0.04.001
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	0n		0.04.002
Tow0Card6	240.00 V	3.50 uA	239.75 V	1.94 uA	0n		0.04.003

Display/Edit Group 02 LocEn V0 I0 T | CAEN SY2527

Time 8:03

Beam Stopped

USE Energy loss calculation for particles in $Bp = 1.3716 Tm$
 taking into account the energy loss in the Au foil we
 have:

particle:	Si: [MeV]	CS: [MeV]
1H	1.5 MeV	83.734
2H	2.2947	37.263
3H	7.0730	13.553
3He	16.025	99.685
4He	17.682	58.143

2d - CSI - ab - et. tel

CSI Vp. Win

csi - et - p. Win

RUN 315

- Main Utility Setup Groups View

Group 02	Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	User	Ch#
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.80 uA	0n				0.04.005
Tow1Card12	240.00 V	4.00 uA	240.00 V	0.98 uA	0n				0.04.006
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.78 uA	0n				0.04.007
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.68 uA	0n				0.04.008
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.60 uA	0n				0.04.011
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.88 uA	0n				0.04.012
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.80 uA	0n				0.04.013
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.66 uA	0n				0.04.014
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.88 uA	0n				0.04.015
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.52 uA	0n				0.04.016
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.54 uA	0n				0.04.017
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.80 uA	0n				0.04.018
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n				0.04.000
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.72 uA	0n				0.04.001
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	0n				0.04.002
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.26 uA	0n				0.04.003

Display/Edit Group 02

LocEn V0 I0 T | CAEN SY2527

We are back -> calibrations started after 13 hrs of down time

RUN 316 1:15 am August 11th

- Main Utility Setup Groups View

Group 02	Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	User	Ch#
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.80 uA	0n				0.04.005
Tow1Card12	240.00 V	4.00 uA	240.00 V	0.98 uA	0n				0.04.006
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.80 uA	0n				0.04.007
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.68 uA	0n				0.04.008
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n				0.04.011
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.88 uA	0n				0.04.012
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.80 uA	0n				0.04.013
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.66 uA	0n				0.04.014
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.88 uA	0n				0.04.015
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.52 uA	0n				0.04.016
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.54 uA	0n				0.04.017
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.82 uA	0n				0.04.018
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n				0.04.000
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.72 uA	0n				0.04.001
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	0n				0.04.002
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.26 uA	0n				0.04.003

Display/Edit Group 02

LocEn V0 I0 T | CAEN SY2527

Run 317

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Ch#
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.80 uA	On		0.04.005
Tow1Card12	240.00 V	4.00 uA	240.00 V	0.98 uA	On		0.04.006
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.80 uA	On		0.04.007
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.68 uA	On		0.04.008
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		0.04.011
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.88 uA	On		0.04.012
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.80 uA	On		0.04.013
Tow2Card3	280.00 V	3.50 uA	280.00 V	0.66 uA	On		0.04.014
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.88 uA	On		0.04.015
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.52 uA	On		0.04.016
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.54 uA	On		0.04.017
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.82 uA	On		0.04.018
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		0.04.000
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		0.04.001
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	On		0.04.002
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.28 uA	On		0.04.003

Date: 8/12/05
Time: 2:10 am

	Vbias (V)	I (uA)
Csl0	79.3	0.0
Csl1	79.8	0.1
Csl2	79.7	0.1
Csl3	80.2	0.4
Back0	100.0	3.74
Back1	100.0	3.35
Back2	100.0	4.06
Back3	100.0	2.27
MCP0		
MCP1		
Foil0		
Foil1		

Display/Edit Group 02

LocEn V0 I0 T | CAEN SY2527

Run 317

CsI calibration 0.4% slits

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Ch#
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.80 uA	On		0.04.005
Tow1Card12	240.00 V	4.00 uA	240.00 V	0.98 uA	On		0.04.006
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.80 uA	On		0.04.007
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.68 uA	On		0.04.008
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		0.04.011
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.88 uA	On		0.04.012
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.80 uA	On		0.04.013
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.66 uA	On		0.04.014
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.88 uA	On		0.04.015
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.52 uA	On		0.04.016
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.54 uA	On		0.04.017
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.82 uA	On		0.04.018
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		0.04.000
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		0.04.001
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	On		0.04.002
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.30 uA	On		0.04.003

Display/Edit Group 02

LocEn V0 I0 T | CAEN SY2527

run 319

- Main Utility Setup Groups View

User

Group 02	Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Ch#
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.80 uA	0n			0.04.005
Tow1Card12	240.00 V	4.00 uA	240.00 V	0.98 uA	0n			0.04.006
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.80 uA	0n			0.04.007
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.68 uA	0n			0.04.008
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n			0.04.011
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.88 uA	0n			0.04.012
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.80 uA	0n			0.04.013
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.66 uA	0n			0.04.014
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.88 uA	0n			0.04.015
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.52 uA	0n			0.04.016
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.54 uA	0n			0.04.017
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.82 uA	0n			0.04.018
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n			0.04.000
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.72 uA	0n			0.04.001
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	0n			0.04.002
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.32 uA	0n			0.04.003

Display/Edit Group 02

LocEn V0 I0 T | CAEN SY2527

Date: August 12

Time: 4:38

	Vbias (V)	I (uA)
Csl0	79.3	0.0
Csl1	79.8	0.1
Csl2	79.7	0.1
Csl3	80.15	0.4
Back0	100.1	3.78
Back1	100.0	3.35
Back2	100.0	4.07
Back3	100.0	2.29
MCP0		
MCP1		
Foil0		
Foil1		

run 320

- Main Utility Setup Groups View

User

Group 02	Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Ch#
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.80 uA	0n			0.04.005
Tow1Card12	240.00 V	4.00 uA	240.00 V	0.98 uA	0n			0.04.006
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.80 uA	0n			0.04.007
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.70 uA	0n			0.04.008
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n			0.04.011
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.88 uA	0n			0.04.012
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.80 uA	0n			0.04.013
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.66 uA	0n			0.04.014
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.88 uA	0n			0.04.015
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.52 uA	0n			0.04.016
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.54 uA	0n			0.04.017
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.82 uA	0n			0.04.018
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n			0.04.000
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.72 uA	0n			0.04.001
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	0n			0.04.002
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.34 uA	0n			0.04.003

Display/Edit Group 02

LocEn V0 I0 T | CAEN SY2527

TELE_2

	slope	offset
Csl_0	1.08177	-12.73764
Csl_1	1.47264	-16.808
Csl_2	0.8581	-7.65065
Csl_3	1.1116	-14.522

TELE_6

	slope	offset
Csl_0	1.17574	-9.17725
Csl_1	1.07578	-11.48815
Csl_2	1.15895	-7.26102
Csl_3	1.28265	15.51332

TELE_11

	slope	offset
Csl_0	1.45042	-14.8872
Csl_1	1.55518	-13.40583
Csl_2	1.59498	-17.38264
Csl_3	1.4094	-14.27878

TELE_19

	slope	offset
Csl_0	1.49853	-18.137
Csl_1	1.53939	-18.2138
Csl_2	1.55732	-18.98
Csl_3	1.48176	-17.2866

TELE_1

	slope	offset
Csl_0	1.6	-13.7216
Csl_1	1.496	-17.917
Csl_2	1.32218	-10.99274
Csl_3	1.41492	-13.26188

TELE_5

	slope	offset
Csl_0	1.15282	-4.72258
Csl_1	1.07578	-6.97547
Csl_2	1.25462	-12.66201
Csl_3	1.48069	-12.687

TELE_10

	slope	offset
Csl_0	1.664	-13.87611
Csl_1	1.18339	-14.20899
Csl_2	1.42459	-13.638
Csl_3	1.49093	-15.29641

TELE_17

	slope	offset
Csl_0	1.21905	-10.9377
Csl_1	1.4652	-19.3367
Csl_3	1.37818	-13.466

TELE_0

	slope	offset
Csl_0	1.58486	-12.59022
Csl_1	1.42896	-10.2008
Csl_2	1.14078	-8.74095
Csl_3	1.31424	-11.41634

TELE_4

	slope	offset
Csl_0	1.4609	-15.88504
Csl_1	1.45264	-13.28582
Csl_2	1.42326	-9.67111
Csl_3	1.4799	-12.58996

TELE_9

	slope	offset
Csl_0	1.324	-11.3768
Csl_1	1.29636	-13.62899
Csl_2	1.44185	-15.72305
Csl_3	1.2407	-9.96237

TELE_16

	slope	offset
Csl_0	1.52914	-16.9421
Csl_1	1.81717	-18.4643
Csl_2	2.16854	-31.5758
Csl_3	2.20173	-26.02

TELE_3

	slope	offset
Csl_0	1.39594	-16.94847
Csl_2	1.27963	-8.09145
Csl_3	1.0819	-10.399

TELE_8

	slope	offset
Csl_0	1.36924	-16.45025
Csl_1	1.46328	-15.74286
Csl_2	1.36105	-16.68252
Csl_3	1.30652	-9.2552

Run ~~326~~ 326

```

- Main Utility Setup Groups View
Group 02
Channel Name V0Set I0Set VMon IMon Pw Status Ch#
Tow1Card15 290.00 V 4.00 uA 290.00 V 0.80 uA On 0.04.005
Tow1Card12 240.00 V 4.00 uA 240.00 V 1.00 uA On 0.04.006
Tow1Card9 200.00 V 3.00 uA 199.75 V 0.80 uA On 0.04.007
Tow1Card6 295.00 V 3.50 uA 295.00 V 0.70 uA On 0.04.008
Tow2Card12 250.00 V 4.00 uA 250.00 V 0.62 uA On 0.04.011
Tow2Card9 110.00 V 4.00 uA 109.75 V 1.88 uA On 0.04.012
Tow2Card6 250.00 V 4.00 uA 249.75 V 0.80 uA On 0.04.013
Tow2Card3 280.00 V 3.50 uA 279.75 V 0.66 uA On 0.04.014
Tow3Card15 210.00 V 3.00 uA 209.75 V 0.90 uA On 0.04.015
Tow3Card12 200.00 V 5.00 uA 200.00 V 1.52 uA On 0.04.016
Tow3Card9 120.00 V 3.00 uA 120.00 V 0.54 uA On 0.04.017
Tow3Card6 310.00 V 3.50 uA 309.50 V 0.84 uA On 0.04.018
Tow0Card15 210.00 V 3.00 uA 210.00 V 0.46 uA On 0.04.000
Tow0Card12 250.00 V 4.00 uA 250.00 V 0.72 uA On 0.04.001
Tow0Card9 190.00 V 3.00 uA 190.00 V 0.22 uA On 0.04.002
Tow0Card6 240.00 V 3.50 uA 239.50 V 2.38 uA On 0.04.003

```

Display/Edit Group 02 LocEn V0 I0 T | CAEN SY2527

Date:
Time:

	Vbias (V)	I (µA)
Csl0	79.3	0.0
Csl1	79.8	0.1
Csl2	79.7	0.1
Csl3	80.15	0.4
Back0	100.1	3.87
Back1	100.0	3.37
Back2	100.0	4.07
Back3	100.0	2.33
MCP0		
MCP1		
Foil0		
Foil1		

Breakdown: ~ 11:00 AM

One of the computer servers
possibly went down.

Everything restarted

Restart taking data at 11:15
with Run 327

Date: 3/12/15
 Time: 1:30 pm

- Main Utility Setup Groups View

Group 02											User
Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax			
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.80 uA	0n		1.00s.	290 V			
Tow1Card12	240.00 V	4.00 uA	239.75 V	1.00 uA	0n		1.00s.	240 V			
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.80 uA	0n		1.00s.	200 V			
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.70 uA	0n		1.00s.	295 V			
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n		1.00s.	250 V			
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.88 uA	0n		1.00s.	110 V			
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	0n		1.00s.	250 V			
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.66 uA	0n		1.00s.	280 V			
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.90 uA	0n		1.00s.	210 V			
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.54 uA	0n		1.00s.	200 V			
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.54 uA	0n		1.00s.	120 V			
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.86 uA	0n		1.00s.	310 V			
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n		1.00s.	210 V			
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.72 uA	0n		1.00s.	250 V			
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n		1.00s.	190 V			
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.40 uA	0n		1.00s.	240 V			

Add/Edit/View Groups LocEn V0 I0 T | CAEN SY2527 000 0

	Vbias (V)	I (uA)
Csl0	79.25	0.0
Csl1	79.80	0.1
Csl2	79.70	0.1
Csl3	80.15	0.1
Back0	100.1	3.28
Back1	100.0	3.38
Back2	100.0	7.00
Back3	100.0	2.50
MCP0	191.7	5.90
MCP1	191.0	5.90
Foil0		
Foil1		

Run 328 Proton beam on plastic
 Run 329 Proton beam on plastic

12-05
6:58

Run 332

User

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.80 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.00 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.80 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.70 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.88 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.66 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.92 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.54 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.56 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.86 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.44 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 000 0

3800 Detector HV Control

crdc1 Anode (+) 780 Set HV 780 0 Set I Limit 5 HV Enabled	crdc2 Anode (+) 780 Set HV 780 0 Set I Limit 5 HV Enabled	ic Anode (+) 200 Set HV 200 0 Set I Limit 5 HV Enabled	tppac ppac1 (+) 550 Set HV 550 0 Set I Limit 10 HV Enabled
Drift (-) 500 Set HV 500 11 Set I Limit 20 HV Enabled	Drift (-) 500 Set HV 500 11 Set I Limit 20 HV Enabled	Drift (-) 800 Set HV 800 64 Set I Limit 80 HV Enabled	ppac2 (+) 550 Set HV 550 0 Set I Limit 10 HV Enabled

67 1253 5800



0.3 pct dPIP
Att 30k
2005-08-12 14:03:55

67 1253 5800



0.4 pct dPIP
Att 30k
2005-08-12 14:01:05

67 1253 5800



0.5 pct dPIP
Att 30k
2005-08-12 14:03:06

Photos of beam on
target for proton
calibration settings.

Various slit settings

These are photos of
~~the~~ pilot beam.

RUN 333 18:05

Main Utility Setup Groups View

Group 02

User

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	239.75 V	1.02 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.64 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.90 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.84 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.92 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.56 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.56 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.90 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.48 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.50 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 000 0

Date: 8/12/05
Time: 18:12

	Vbias (V)	I (uA)
Csl0	79.25	0.0
Csl1	79.80	0.1
Csl2	80.15	0.4
Csl3	79.70	0.1
Back0		4.02
Back1		3.50
Back2		4.18
Back3		2.45
MCP0	1940	60
MCP1	1860	61
Foil0		
Foil1		

Run 335

CRDC1 → Mask Mask Calibration - Run

Run 336

CRDC2 → Mask Calibration Run

Run 337

Date: 8/12/05
Time: 20:27

	Vbias (V)	I (µA)
Csl0	79.25	0.0
Csl1	79.80	0.1
Csl2	80.15	0.4
Csl3	79.70	0.1
Back0		4.03
Back1		3.54
Back2		4.25
Back3		2.48
MCP0	1950	60
MCP1	1870	61
Foil0		
Foil1		

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.84 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.84 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.64 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.96 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.84 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.70 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.96 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.60 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.58 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.92 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.48 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.74 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.52 uA	On		1.00s.	240 V

Add/Edit/View Groups LocEn V0 I0 T | CAEN SY2527 000 0

Run 230

α - Calibration

Run 339

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.84 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.64 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.96 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.84 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.50 V	0.94 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.60 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.58 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.90 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.74 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.50 uA	On		1.00s.	240 V

Add/Edit/View Groups LocEn V0 I0 T | CAEN SY2527 000 0

RUN 340

22:35

Date: 8/12/05
Time: 22:35

- Main Utility Setup Groups View

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.84 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.70 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.64 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.94 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.84 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.96 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.58 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.58 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.90 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.50 uA	On		1.00s.	240 V

	Vbias (V)	I (uA)
Csl0	79.25	0.0
Csl1	79.80	0.1
Csl2	80.15	0.4
Csl3	79.70	0.1
Back0		4.00
Back1		3.46
Back2		4.19
Back3		2.46
MCP0	1960	60
MCP1	1980	61
Foil0		
Foil1		

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao

#341 stopped for the beam tuning
342 & - run

Run 343 Beam ~ 760 enA

- Main Utility Setup Groups View

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	289.75 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.70 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.96 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.58 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.58 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.90 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.54 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao

- Main Utility Setup Groups View

Group 02	Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax	User
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On			1.00s.	290 V	
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	On			1.00s.	240 V	
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On			1.00s.	200 V	
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.70 uA	On			1.00s.	295 V	
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On			1.00s.	250 V	
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On			1.00s.	110 V	
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	On			1.00s.	250 V	
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On			1.00s.	280 V	
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.96 uA	On			1.00s.	210 V	
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.58 uA	On			1.00s.	200 V	
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.58 uA	On			1.00s.	120 V	
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.90 uA	On			1.00s.	310 V	
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On			1.00s.	210 V	
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On			1.00s.	250 V	
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On			1.00s.	190 V	
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.54 uA	On			1.00s.	240 V	

Add/Edit/View Groups

LocEn V0 I0

T | CAEN SY2527 000 0

Run 344, OBJ scan ↓ HV = 1.48 kV
 2:30 am for the next run, we are going to
 put HV = 1.52 kV
 OBJ

345 & Run

Date:
Time:

	Vbias (V)	I (uA)
Csl0		0.0
Csl1		0.1
Csl2		0.1
Csl3		0.4
Back0		4.05
Back1		3.44
Back2		4.14
Back3		2.46
MCP0	1.97	61
MCP1	1.89	69
Foil0		
Foil1		

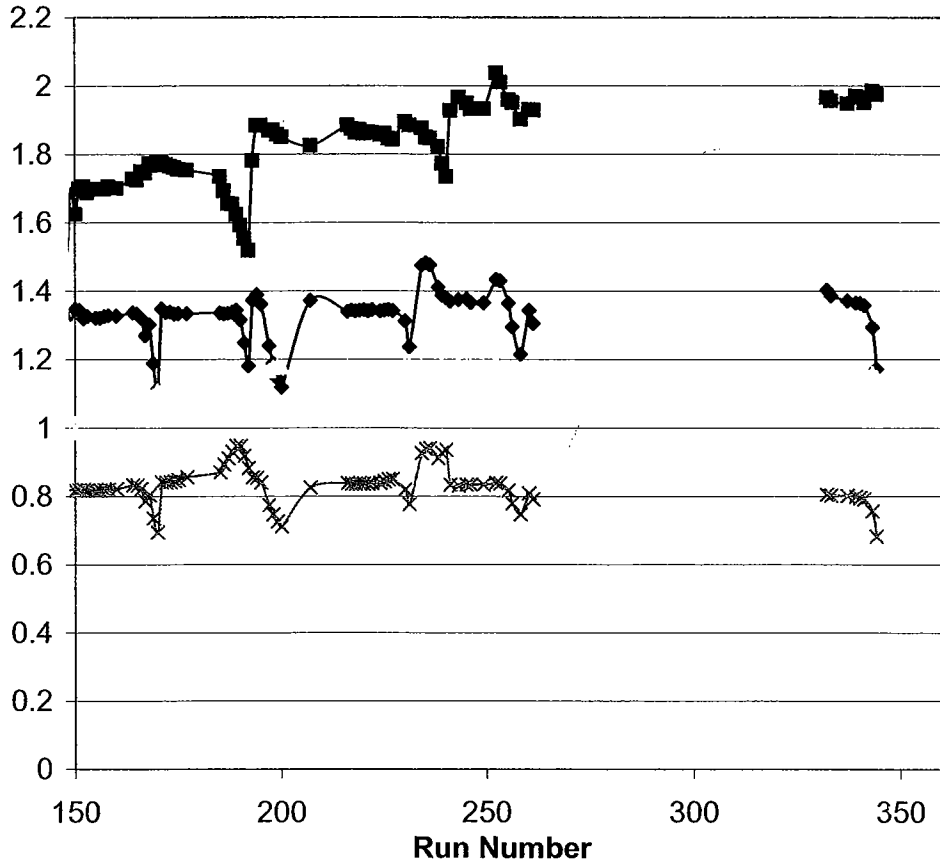
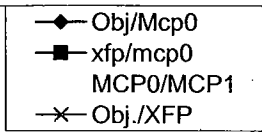
- Main Utility Setup Groups View

Group 02	Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax	User
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On			1.00s.	290 V	
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	On			1.00s.	240 V	
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On			1.00s.	200 V	
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.70 uA	On			1.00s.	295 V	
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On			1.00s.	250 V	
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On			1.00s.	110 V	
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	On			1.00s.	250 V	
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On			1.00s.	280 V	
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.96 uA	On			1.00s.	210 V	
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.58 uA	On			1.00s.	200 V	
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.58 uA	On			1.00s.	120 V	
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.90 uA	On			1.00s.	310 V	
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On			1.00s.	210 V	
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On			1.00s.	250 V	
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On			1.00s.	190 V	
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.56 uA	On			1.00s.	240 V	

Add/Edit/View Groups

LocEn V0 I0

T | CAEN SY2527 000 0



run 247 calibration

- Main Utility Setup Groups View

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.70 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	280.00 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.96 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.58 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.56 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.90 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.54 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao 0

Run 247 calibration

- Main Utility Setup Groups View

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.70 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.96 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.56 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.56 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.90 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.56 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao 0

Date: 7-13-05
Time: 06:00

	Vbias (V)	I (uA)
CsI0	80	0.0
CsI1	80	0.1
CsI2	80	0.1
CsI3	80	0.4
Back0		4.02
Back1		3.44
Back2		4.13
Back3		2.47
MCP0		
MCP1		
Foil0		
Foil1		

Run 348 a source run

- Main Utility Setup Groups View

Group 02 User

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	0n		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.70 uA	0n		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.90 uA	0n		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	0n		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	0n		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.96 uA	0n		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.56 uA	0n		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.56 uA	0n		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.90 uA	0n		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.75 V	2.54 uA	0n		1.00s.	240 V

Add/Edit/View Groups LocEn V0 I0 T | CAEN SY2527 000 0

beam is back only now

HV = 1.57 kV

run 349 HIRA + 5800

We have wait beam for 4 hours

Run 349 is junk

Run 350 operator returned beam with ~850 enA

- Main Utility Setup Groups View

Group 02 User

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	0n		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.70 uA	0n		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.90 uA	0n		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	0n		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.66 uA	0n		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.98 uA	0n		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.56 uA	0n		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.56 uA	0n		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.92 uA	0n		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.56 uA	0n		1.00s.	240 V

Add/Edit/View Groups LocEn V0 I0 T | CAEN SY2527 000 0

Time 8:05 Run 350

- Main Utility Setup Groups View

Group #2	Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n	1.00s.	290 V		
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	0n	1.00s.	240 V		
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n	1.00s.	200 V		
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.70 uA	0n	1.00s.	295 V		
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n	1.00s.	250 V		
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.90 uA	0n	1.00s.	110 V		
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	0n	1.00s.	250 V		
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	0n	1.00s.	280 V		
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.98 uA	0n	1.00s.	210 V		
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.58 uA	0n	1.00s.	200 V		
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.56 uA	0n	1.00s.	120 V		
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.92 uA	0n	1.00s.	310 V		
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n	1.00s.	210 V		
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n	1.00s.	250 V		
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n	1.00s.	190 V		
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.56 uA	0n	1.00s.	240 V		

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao

Date:
Time:

	Vbias (V)	I (uA)
Csl0	179.3	0.00
Csl1	179.8	0.10
Csl2	100.70	0.10
Csl3	80.15	0.40
Back0	100.1	4.06
Back1	100	3.45
Back2	100	4.13
Back3	100	2.49
MCP0		
MCP1		
Foil0		
Foil1		

8:05 351

- Main Utility Setup Groups View

Group #2	Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n	1.00s.	290 V		
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	0n	1.00s.	240 V		
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n	1.00s.	200 V		
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.70 uA	0n	1.00s.	295 V		
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n	1.00s.	250 V		
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.90 uA	0n	1.00s.	110 V		
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	0n	1.00s.	250 V		
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	0n	1.00s.	280 V		
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.98 uA	0n	1.00s.	210 V		
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.56 uA	0n	1.00s.	200 V		
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.56 uA	0n	1.00s.	120 V		
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.92 uA	0n	1.00s.	310 V		
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n	1.00s.	210 V		
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n	1.00s.	250 V		
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n	1.00s.	190 V		
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.60 uA	0n	1.00s.	240 V		

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao

Date:
Time:

	Vbias (V)	I (uA)
Csl0	79.30	0.0
Csl1	79.80	0.1
Csl2	79.70	0.1
Csl3	80.15	0.4
Back0	100.1	4.11
Back1	100.1	3.44
Back2	100	4.12
Back3	100	2.50
MCP0		
MCP1		
Foil0		
Foil1		

11:45

Date:
Time:

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	239.75 V	1.02 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.70 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.90 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	280.00 V	0.66 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.98 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.56 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.56 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.92 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.60 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao 0

	Vbias (V)	I (uA)
Csl0	79.30	0.0
Csl1	79.80	0.1
Csl2	79.70	0.1
Csl3	80.15	0.4
Back0	100.0	4.09
Back1	100.0	3.43
Back2	100.0	4.12
Back3	100.0	2.50
MCP0		
MCP1		
Foil0		
Foil1		

Time *Time: 13:10* *Run 357*

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.70 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.90 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.66 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.50 V	0.98 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.58 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.56 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.94 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.60 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao 0

Time: 14:43 Run: 358

Date:
Time:

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.70 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.90 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.98 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.58 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.56 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.94 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.62 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao o

	Vbias (V)	I (uA)
CsI0	79.30	0.0
CsI1	79.80	0.1
CsI2	79.70	0.1
CsI3	80.15	0.4
Back0	100.0	4.11
Back1	100.0	3.45
Back2	100.0	4.12
Back3	100.0	2.54
MCP0		
MCP1		
Foil0		
Foil1		

Time 16:00 Run: 359

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.70 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.90 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	0.98 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.58 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.58 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.94 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.64 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao o

Run 360

16.34 / 8/13/2005

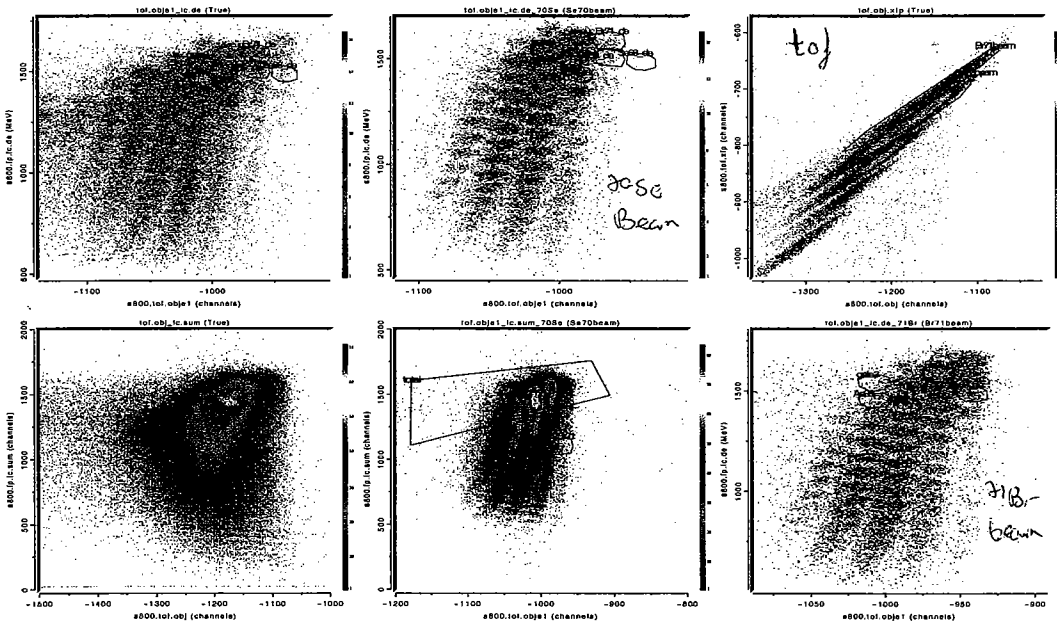
- Main Utility Setup Groups View User

Group 02	Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n			1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.02 uA	0n			1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n			1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.70 uA	0n			1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n			1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.90 uA	0n			1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	0n			1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	0n			1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.50 V	1.00 uA	0n			1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.58 uA	0n			1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.58 uA	0n			1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.94 uA	0n			1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n			1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n			1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n			1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.62 uA	0n			1.00s.	240 V

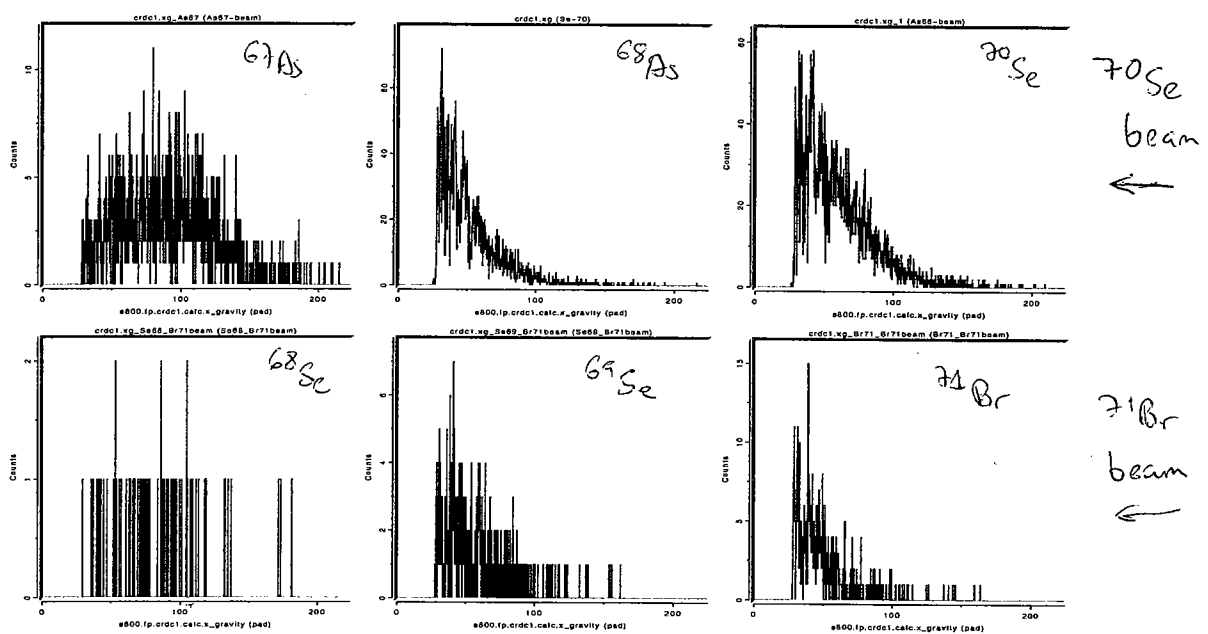
Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oão 0

S800 - Particle Id pictures



Position of fragments in the focal plane



Run 361 started 17:30

17:29

Date: 8/13/05
Time: 17:29

- Main Utility Setup Groups View

Group #2	Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n			1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	0n			1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n			1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.72 uA	0n			1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n			1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.90 uA	0n			1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	0n			1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	280.00 V	0.68 uA	0n			1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.00 uA	0n			1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.60 uA	0n			1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.58 uA	0n			1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.94 uA	0n			1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n			1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.72 uA	0n			1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n			1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.62 uA	0n			1.00s.	240 V

	Vbias (V)	I (uA)
Csl0	79.30	0.0
Csl1	72.50	0.1
Csl2	80.15	0.4
Csl3	79.70	0.1
Back0		4.11
Back1		3.46
Back2		4.13
Back3		2.56
MCP0	2000	62
MCP1	1910	63
Foil0		
Foil1		

Add/Edit/View Groups

Run 362

18:30

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.90 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.00 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.60 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.58 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.96 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.48 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.62 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 000 0

Run 363

369

- Main Utility Setup Groups View

Group 02

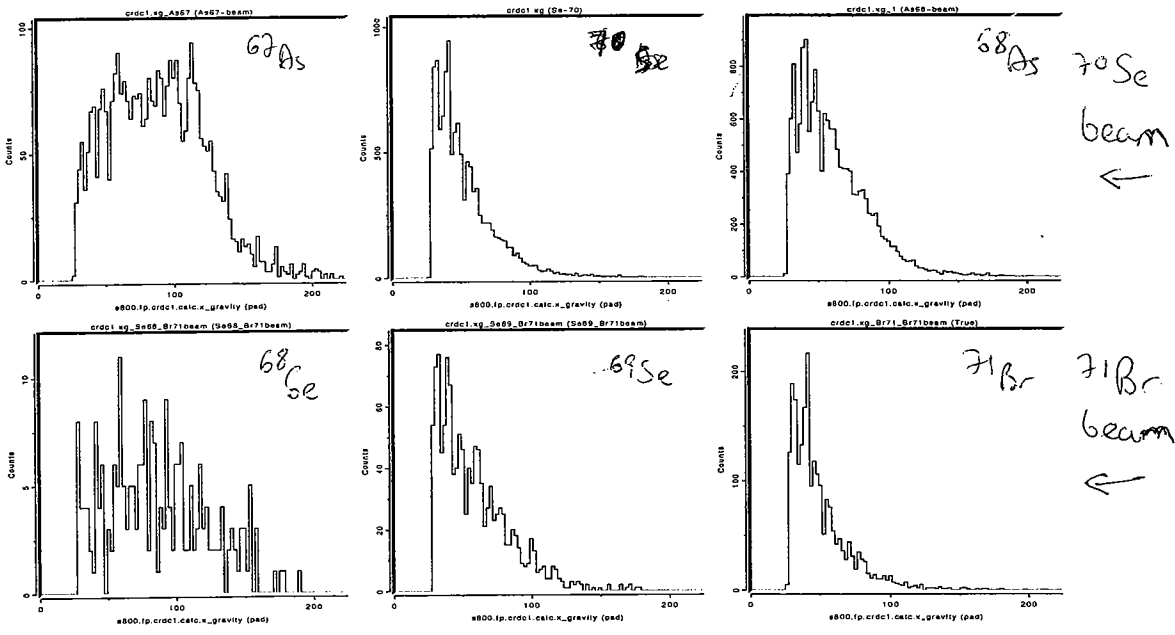
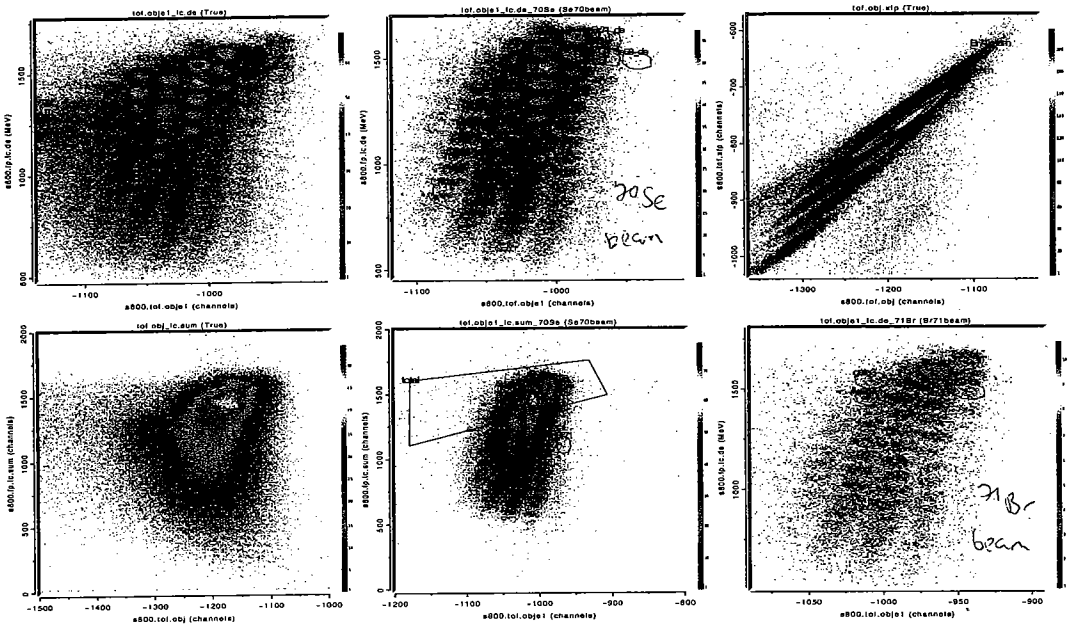
Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.90 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	280.00 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.00 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.60 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.58 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.96 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.60 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 000 0

20:30 started new 364 run (production run)

RMW 366 → CRDC1 test calibration
← time 22:05



22/10

Date:
Time:

	Vbias (V)	I (μA)
Csl0		
Csl1		
Csl2		
Csl3		
Back0		4.16
Back1		3.96
Back2		4.14
Back3		2.6
MCP0	2.01	62
MCP1	1.92	63
Foil0		
Foil1		

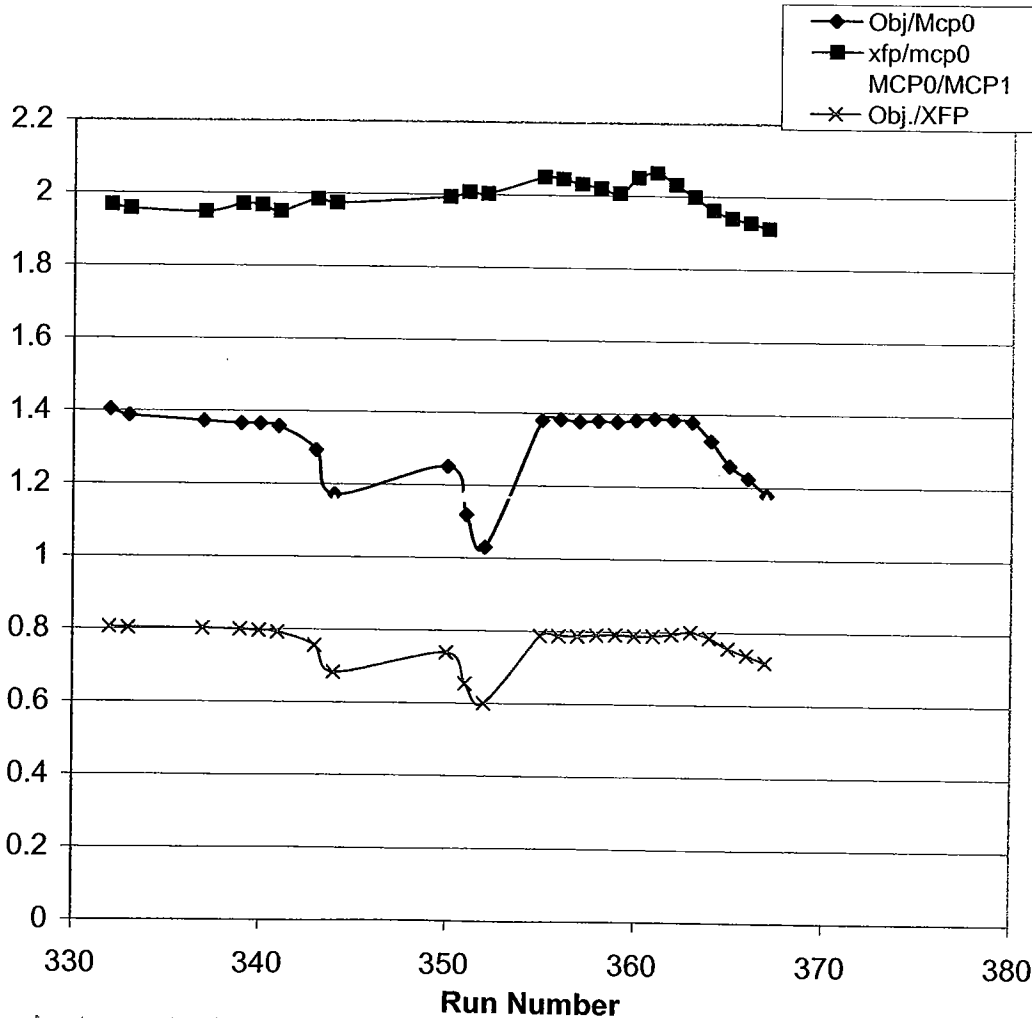
- Main Utility Setup Groups View

Group 02								User
Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n			
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	0n		1.00s.	290 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n		1.00s.	240 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	0n		1.00s.	260 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n		1.00s.	295 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	0n		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	0n		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	0n		1.00s.	110 V
Tow3Card15	210.00 V	3.00 uA	209.50 V	1.02 uA	0n		1.00s.	280 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.60 uA	0n		1.00s.	210 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.58 uA	0n		1.00s.	200 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.98 uA	0n		1.00s.	120 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n		1.00s.	310 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n		1.00s.	210 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n		1.00s.	250 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.66 uA	0n		1.00s.	190 V
							1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0

T | CAEN SY2527 oāo



14 Aug 00-07 OBJ Scin WDS
 replaced and XFP WDS
 biased by higher HV
 team is turning

#369 - short run for OBJ and XFP test
 #370 MIRA + S800 trigger

- Main Utility Setup Groups View User

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.02 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.62 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.60 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.98 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.66 uA	On		1.00s.	240 V

Run 371 / HIRA + 5800

- Main Utility Setup Groups View
Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax	User
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V	
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	On		1.00s.	240 V	
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V	
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	On		1.00s.	295 V	
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V	
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On		1.00s.	110 V	
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	On		1.00s.	250 V	
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V	
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.02 uA	On		1.00s.	210 V	
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.62 uA	On		1.00s.	200 V	
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.60 uA	On		1.00s.	120 V	
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.98 uA	On		1.00s.	310 V	
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V	
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V	
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V	
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.70 uA	On		1.00s.	240 V	

Add/Edit/View Groups LocEn V0 I0 T | CAEN SY2527 oao 0

- Main Utility Setup Groups View
Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax	User
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V	
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	On		1.00s.	240 V	
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V	
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	On		1.00s.	295 V	
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V	
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On		1.00s.	110 V	
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	On		1.00s.	250 V	
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V	
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.02 uA	On		1.00s.	210 V	
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.62 uA	On		1.00s.	200 V	
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.60 uA	On		1.00s.	120 V	
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.00 uA	On		1.00s.	310 V	
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V	
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V	
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V	
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.70 uA	On		1.00s.	240 V	

Add/Edit/View Groups LocEn V0 I0 T | CAEN SY2527 oao

373 - 2 Run

374 - HIRA + 5800

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.02 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.62 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.60 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.98 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.70 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 000 0

Date: 8-14-05
Time: 0356

	Vbias (V)	I (uA)
Csl0	80	0.3
Csl1	80	0.1
Csl2	80	0.1
Csl3	80	0.4
Back0		4.18
Back1		2.47
Back2		4.15
Back3		2.64
MCP0	1900	0.63
MCP1	2020	0.63
Foil0		
Foil1		

Rom 375 5800 HIRA

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.02 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.62 uA	Off		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.60 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.00 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.68 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 000 0

It looks that run is bad due to A1900 problem; last dipoles have yellow rings on Barney!

Run 376 & source run

- Main Utility Setup Groups View

Group 02 User

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	0n		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.72 uA	0n		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	0n		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	0n		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	0n		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.02 uA	0n		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.62 uA	0n		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.60 uA	0n		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	0.98 uA	0n		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	0n		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.70 uA	0n		1.00s.	240 V

Add/Edit/View Groups LocEn V0 I0 T | CAEN SY2527 oão

* Andres restored magnets in the A1900 from home. Operator returned beam in order to check beam on target. Beam appear to be back to its previous condition. (Must check in 5800 st.711)

Operator took beam for return of source.

Run 377 & source run

Date: 8-14-05
Time: 05:55

- Main Utility Setup Groups View

Group 02 User

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	239.75 V	1.04 uA	0n		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	0n		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	0n		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	0n		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	0n		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.02 uA	0n		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.62 uA	0n		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.60 uA	0n		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.00 uA	0n		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	0n		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.70 uA	0n		1.00s.	240 V

Add/Edit/View Groups LocEn V0 I0 T | CAEN SY2527 oão

	Vbias (V)	I (uA)
Csl0	80	0.0
Csl1	80	0.1
Csl2	80	0.1
Csl3	80	0.4
Back0		4.16
Back1		3.47
Back2		4.14
Back3		2.65
MCP0	2030	0.63
MCP1	1940	0.63
Foil0		
Foil1		

Run 378

beam back

HIRA + S800 coin

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	239.75 V	1.04 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.02 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.62 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.60 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.00 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.70 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 000 0

Run 379

S800 + HIRA

Run 380

Time: 8:08

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.04 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.62 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.60 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.00 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.25 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.68 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 000 0

Date:
Time:

	Vbias (V)	I (uA)
Csl0	79.30	0.0
Csl1	79.80	0.1
Csl2	79.70	0.1
Csl3	80.15	0.4
Back0	100.0	4.15
Back1	100.0	3.49
Back2	100.0	4.15
Back3	100.0	2.68
MCP0		
MCP1		
Foil0		
Foil1		

381 10:28 AM

Date:
Time:

Main Utility Setup Groups View

Group 02 Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.04 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.64 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.60 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.02 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.72 uA	On		1.00s.	240 V

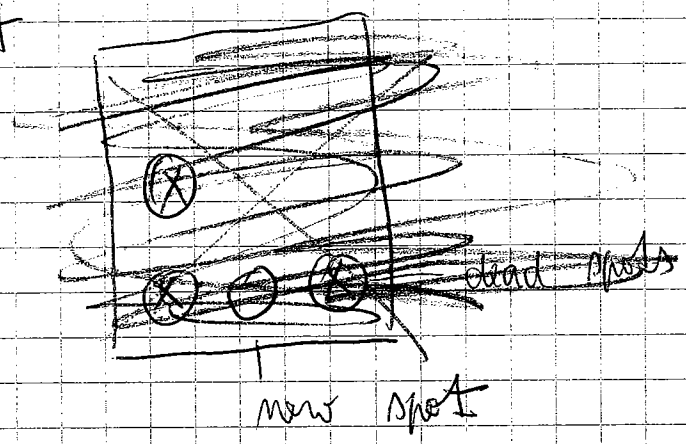
	Vbias (V)	I (uA)
Csl0	80	0.0
Csl1	00	0.1
Csl2	80	0.1
Csl3	80	0.4
Back0	100	4.19
Back1	100	8.49
Back2	100	4.15
Back3	100	2.70
MCP0	2040	.63
MCP1	1050	.64
Foil0	100	-
Foil1	800	-

Add/Edit/View Groups

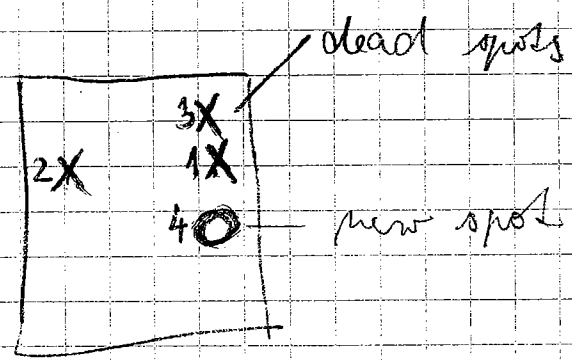
LocEn V0 I0 T | CAEN SY2527 oao 0

Object sint is dry spot voltage
form 1.50 → 1.55

12⁰⁰ sinkillator moved to a new position
object



HV (object. se.) back to ~~1.50~~ 1.47



Run : 384 Time: 13:10

- Main Utility Setup Groups View
Group 02

User

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	0n		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.72 uA	0n		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	0n		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	0n		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	280.00 V	0.68 uA	0n		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.06 uA	0n		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.66 uA	0n		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.60 uA	0n		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.04 uA	0n		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.72 uA	0n		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oão g

Date:
Time:

	Vbias (V)	I (uA)
Csl0	79.25	0.0
Csl1	79.80	0.1
Csl2	79.70	0.1
Csl3	80.15	0.4
Back0	100.0	4.21
Back1	100.0	3.50
Back2	100.0	4.16
Back3	100.0	2.74
MCP0		
MCP1		
Foil0		
Foil1		

Run 385 2 56

- Main Utility Setup Groups View
Group 02

User

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	0n		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	0n		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	0n		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	0n		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	0n		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.06 uA	0n		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.66 uA	0n		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.62 uA	0n		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.04 uA	0n		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.74 uA	0n		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oão g

Date:
Time:

	Vbias (V)	I (uA)
Csl0	79.3	0.0
Csl1	79.8	0.1
Csl2	79.7	0.1
Csl3	80.15	0.4
Back0	100	4.24
Back1	100	3.50
Back2	100	4.16
Back3	100	2.75
MCP0	2000	64
MCP1	1970	65
Foil0	1000	-
Foil1	800	-

Run 386 Time: 15:51

- Main Utility Setup Groups View										User
Group 02										
Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax		
Tow1Card15	290.00 V	4.00 uA	290.25 V	0.82 uA	On		1.00s.	290 V		
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.04 uA	On		1.00s.	240 V		
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V		
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	On		1.00s.	295 V		
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V		
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On		1.00s.	110 V		
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	On		1.00s.	250 V		
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V		
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.06 uA	On		1.00s.	210 V		
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.68 uA	On		1.00s.	200 V		
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.62 uA	On		1.00s.	120 V		
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.04 uA	On		1.00s.	310 V		
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V		
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V		
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.22 uA	On		1.00s.	190 V		
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.72 uA	On		1.00s.	240 V		

Add/Edit/View Groups

LocEn V0 I0

T | CAEN SY2527 000 0

Run 389

product Run

17:39

- Main Utility Setup Groups View										User
Group 02										
Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax		
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V		
Tow1Card12	240.00 V	4.00 uA	239.75 V	1.06 uA	On		1.00s.	240 V		
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V		
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	On		1.00s.	295 V		
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V		
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	On		1.00s.	110 V		
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	On		1.00s.	250 V		
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V		
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.06 uA	On		1.00s.	210 V		
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.68 uA	On		1.00s.	200 V		
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.62 uA	On		1.00s.	120 V		
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.06 uA	On		1.00s.	310 V		
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V		
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V		
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V		
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.76 uA	On		1.00s.	240 V		

Add/Edit/View Groups

LocEn V0 I0

T | CAEN SY2527 000 0

run 392 20:24

User

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.06 uA	0n		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	0n		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	0n		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	0n		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	0n		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.08 uA	0n		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.72 uA	0n		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.64 uA	0n		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.08 uA	0n		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.74 uA	0n		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 000 0

RUN 393

RUN 394

Date:
Time:

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.06 uA	0n		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	0n		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	0n		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	0n		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	0n		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.10 uA	0n		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.72 uA	0n		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.64 uA	0n		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.08 uA	0n		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.78 uA	0n		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 000 0

	Vbias (V)	I (uA)
Csl0		
Csl1		
Csl2		
Csl3		
Back0		4.25
Back1		3.51
Back2		4.15
Back3		2.37
MCP0	2.1kV	5
MCP1	9.02	
Foil0		
Foil1		

395

HIRA + SPOD

- Main Utility Setup Groups View

User

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.06 uA	0n		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	294.75 V	0.72 uA	0n		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	0n		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	0n		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	0n		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.10 uA	0n		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.72 uA	0n		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.64 uA	0n		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.08 uA	0n		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.76 uA	0n		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao o

396

SPOD + HIRA

- Main Utility Setup Groups View

User

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	0n		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.06 uA	0n		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	0n		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	0n		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	0n		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.92 uA	0n		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.50 V	0.82 uA	0n		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	0n		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.10 uA	0n		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.72 uA	0n		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	119.75 V	0.64 uA	0n		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.08 uA	0n		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	0n		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	0n		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	0n		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.76 uA	0n		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao o

Run 397 5800 + HIRA

Run 398 5800 + HIRA

* Raised bias on Obj. to 1600V

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.82 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.06 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.94 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.10 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.74 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.64 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.08 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.78 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao

Date: 8-15-2005
Time: 02:37

	Vbias (V)	I (uA)
Csl0	80	0.0
Csl1	80	0.1
Csl2	80	0.1
Csl3	80	0.4
Back0		4.27
Back1		3.52
Back2		4.17
Back3		2.89
MCP0	2130	67
MCP1	2090	67
Foil0		
Foil1		

run 399 - 2 particles run

run back

Mask upstream calibration

3-40 run 400

- Main Utility Setup Groups View

Group 02

Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.84 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.06 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.94 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.10 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.74 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.66 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.10 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.78 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 oao

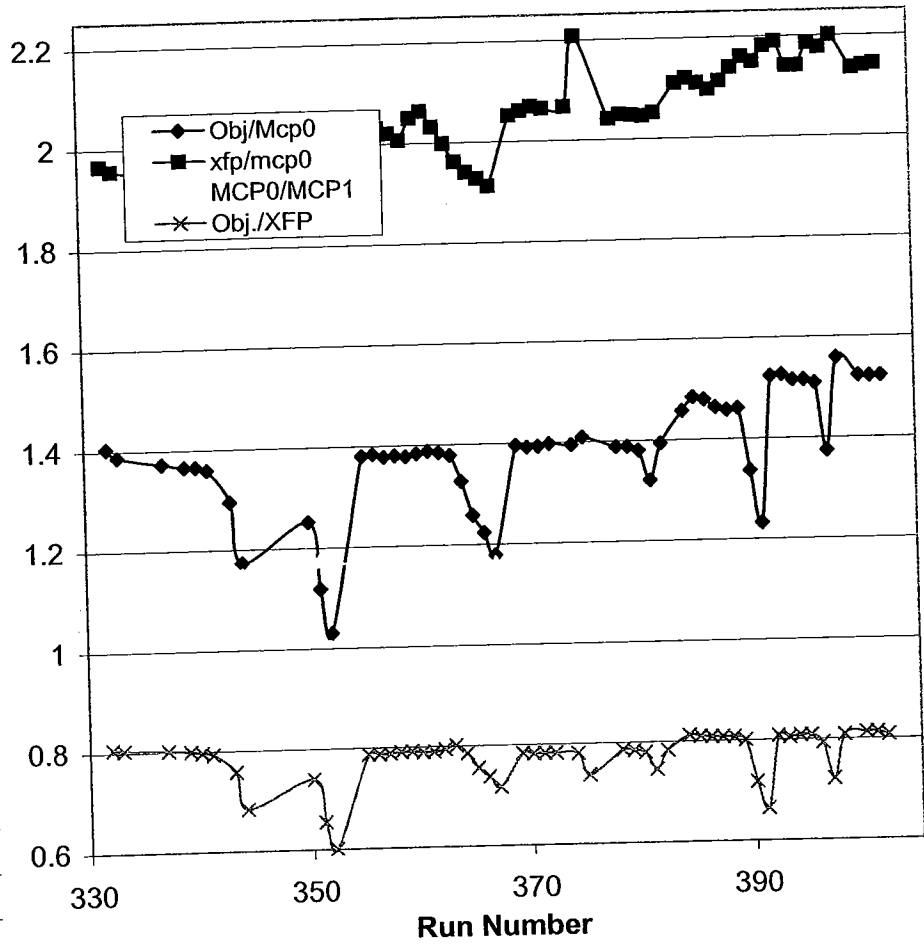
#401 down-stream meter calibration

Run 402 5800 + HRA data run

- Main Utility Setup Groups View								User
Group 02								
Channel Name	V0Set	I0Set	VMon	IMon	Pw	Status	Trip	SVMax
Tow1Card15	290.00 V	4.00 uA	290.00 V	0.84 uA	On		1.00s.	290 V
Tow1Card12	240.00 V	4.00 uA	240.00 V	1.06 uA	On		1.00s.	240 V
Tow1Card9	200.00 V	3.00 uA	199.75 V	0.82 uA	On		1.00s.	200 V
Tow1Card6	295.00 V	3.50 uA	295.00 V	0.72 uA	On		1.00s.	295 V
Tow2Card12	250.00 V	4.00 uA	250.00 V	0.62 uA	On		1.00s.	250 V
Tow2Card9	110.00 V	4.00 uA	109.75 V	1.94 uA	On		1.00s.	110 V
Tow2Card6	250.00 V	4.00 uA	249.75 V	0.82 uA	On		1.00s.	250 V
Tow2Card3	280.00 V	3.50 uA	279.75 V	0.68 uA	On		1.00s.	280 V
Tow3Card15	210.00 V	3.00 uA	209.75 V	1.10 uA	On		1.00s.	210 V
Tow3Card12	200.00 V	5.00 uA	200.00 V	1.76 uA	On		1.00s.	200 V
Tow3Card9	120.00 V	3.00 uA	120.00 V	0.66 uA	On		1.00s.	120 V
Tow3Card6	310.00 V	3.50 uA	309.50 V	1.10 uA	On		1.00s.	310 V
Tow0Card15	210.00 V	3.00 uA	210.00 V	0.46 uA	On		1.00s.	210 V
Tow0Card12	250.00 V	4.00 uA	250.00 V	0.72 uA	On		1.00s.	250 V
Tow0Card9	190.00 V	3.00 uA	190.00 V	0.24 uA	On		1.00s.	190 V
Tow0Card6	240.00 V	3.50 uA	239.50 V	2.78 uA	On		1.00s.	240 V

Add/Edit/View Groups

LocEn V0 I0 T | CAEN SY2527 000



407, 408

MCP1 mask calibration

Xamine -- /user/02023/Current/spectol/win-files/MCP_sum.win [Modified]

File Window Spectra Options Graph_objects

Help

500

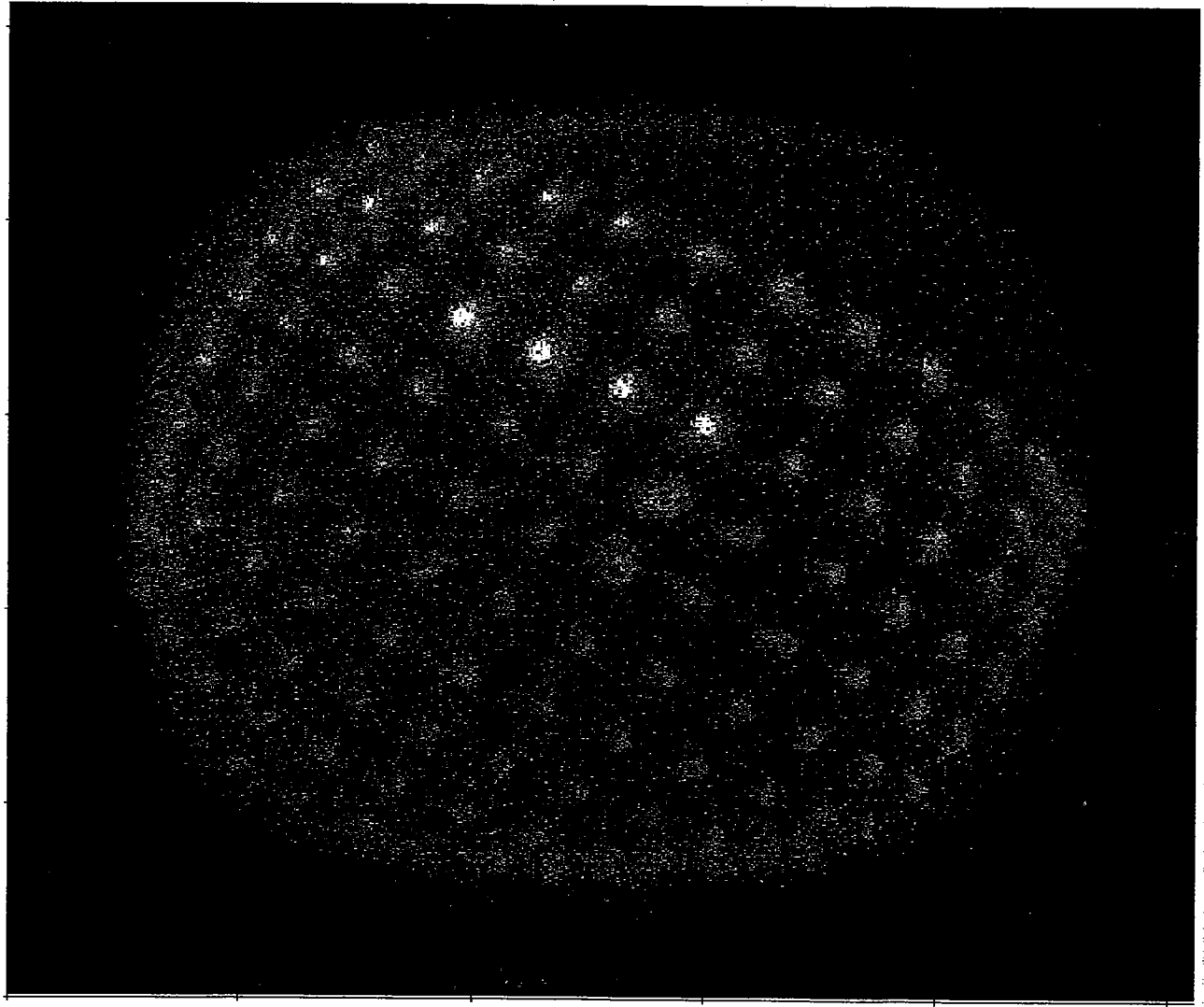
400

300

200

100

0



[40] MCP1.XRAWVSYRAW *run 408*

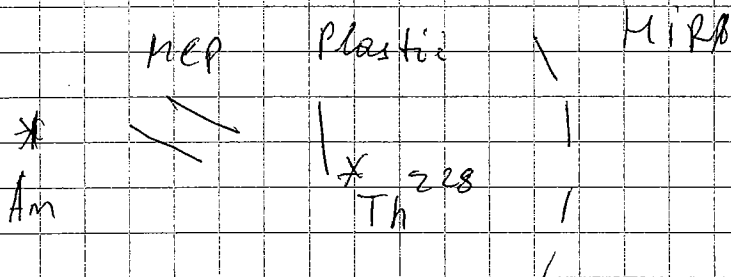
run # 409

MCPA test by Am source and

Th source

chip 0-9-0	ch: 0, 4, 12
chip 0-6-0	ch 10
chip 0-6-0	ch 14 ???
chip 0-5-0	ch 14
chip 0-9-1	ch 10
chip 1-11-1	ch 7
chip 2-8-0	ch 5
2-6-0	ch 11
2-12-1	ch 11, 13
3-15-0	ch 0
3-12-0	ch: 8, 9, 10, 14, 15
3-5-0	ch 11
3-12-1	ch 0, 1, 9, 10, 13, 14

25 bad chs



run # 410 MCP¹ test by α again after
the position of plastic was corrected

HV = 1.9 kV
plastic

MCP = 1.95 kV

500

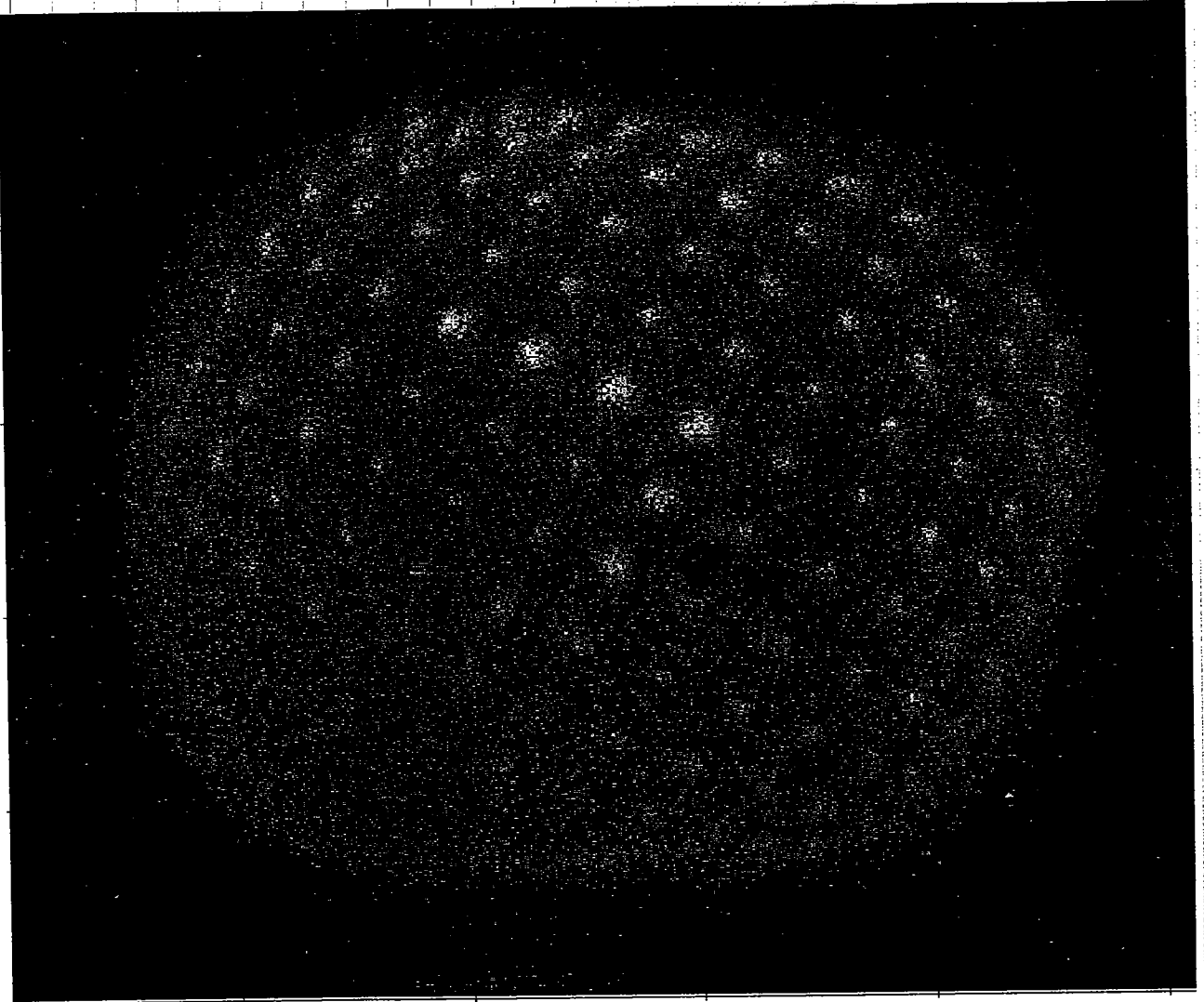
400

300

200

100

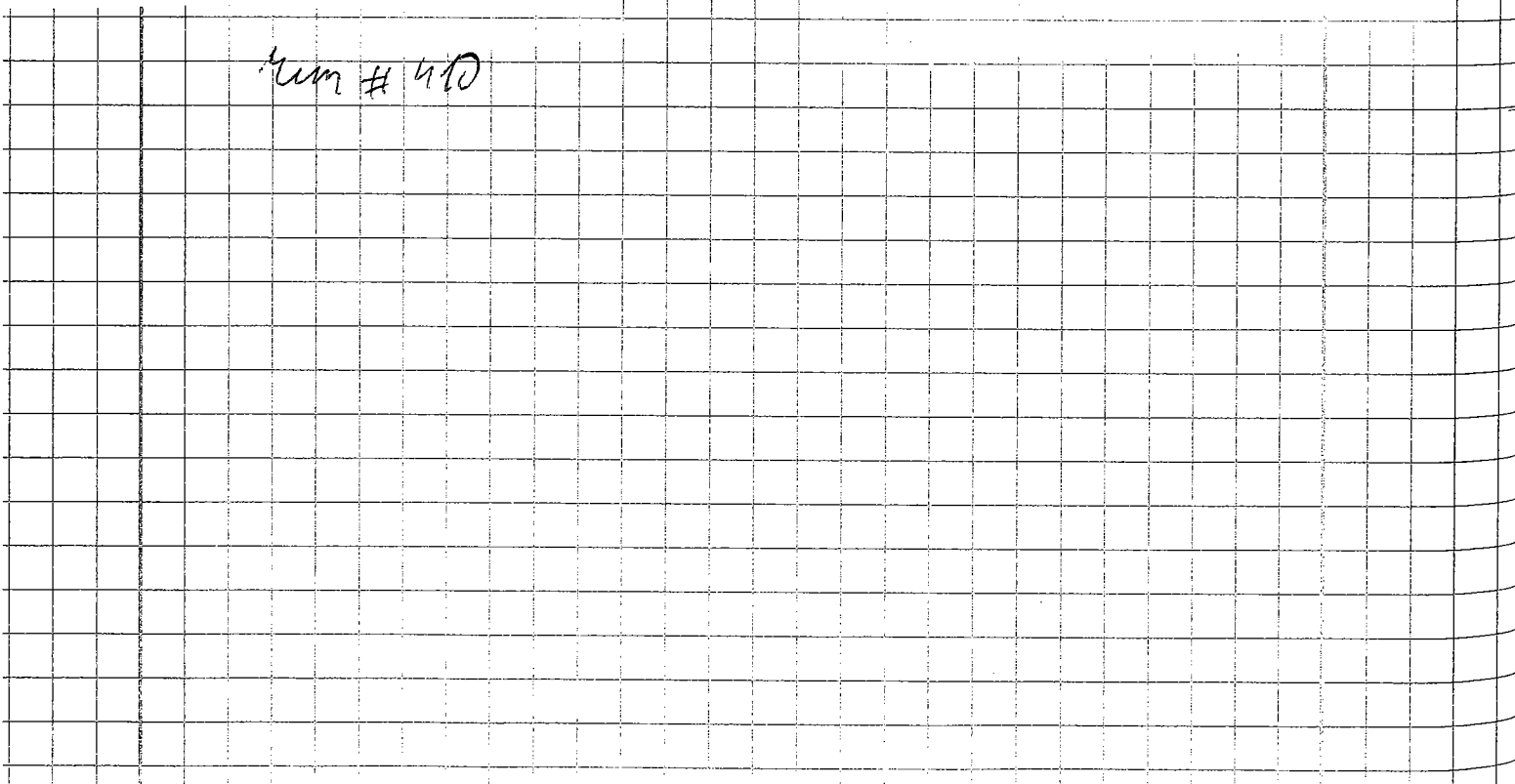
0



0 100 200 300 400 500

[40] MCP1.XRAWVSYRAW

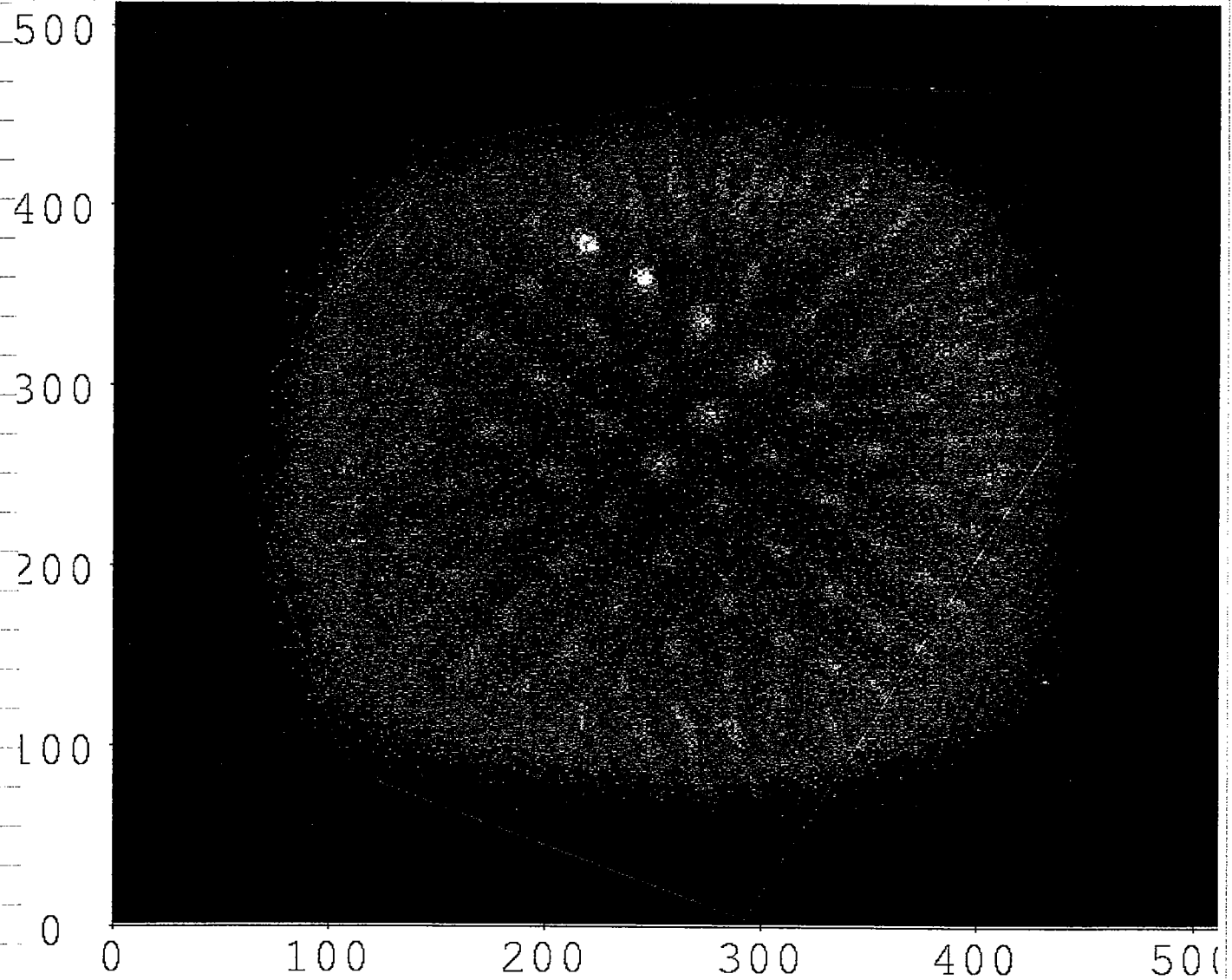
Num # 40



MEM 411 MCP0 ↓ calibration

$HV_{MCP} = 2.0 kV$ $HV_{fid} = 1.0 kV$

Plastic $HV = 1.9 kV$



[27] MCP0.XRAWVSYRAW

normal

413
414

~~force~~ readout

MIRA test

415

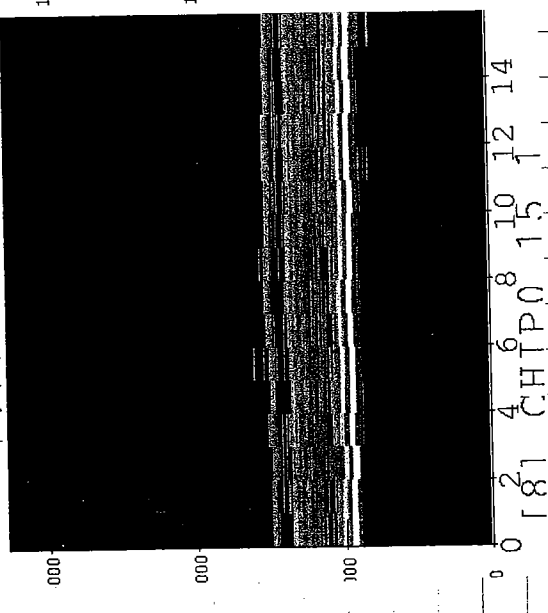
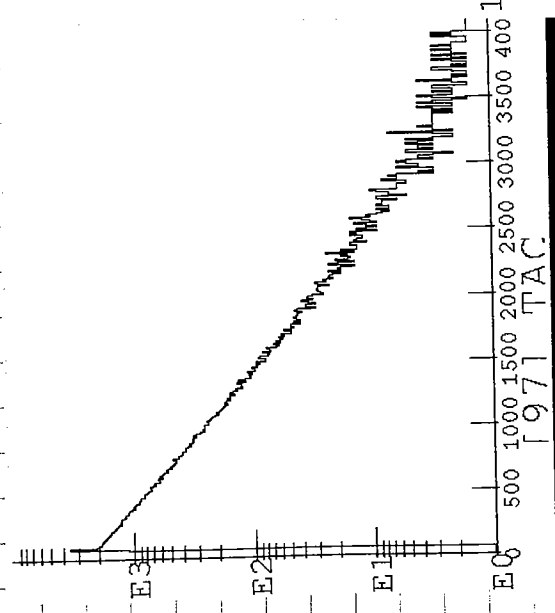
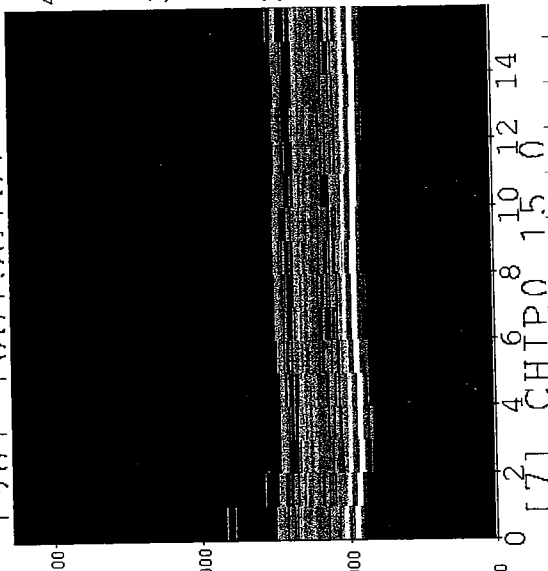
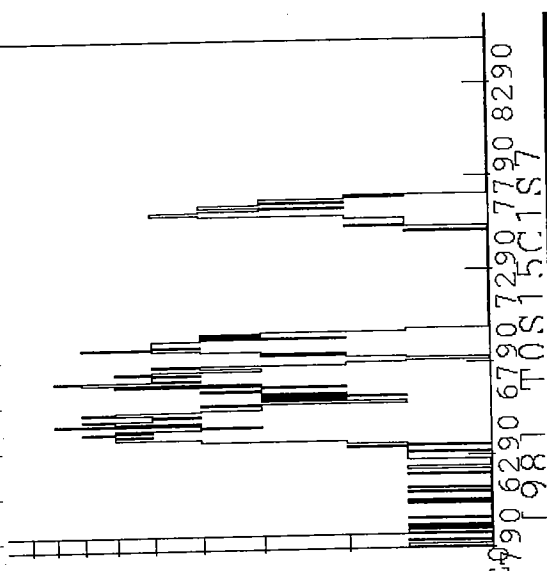
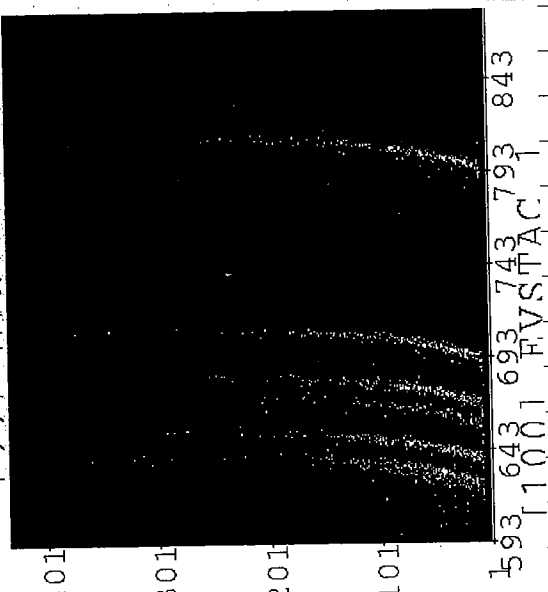
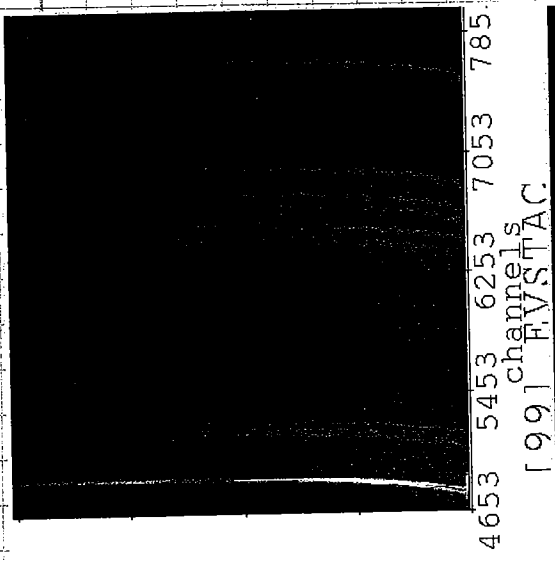
forced readout by TP
tower

416

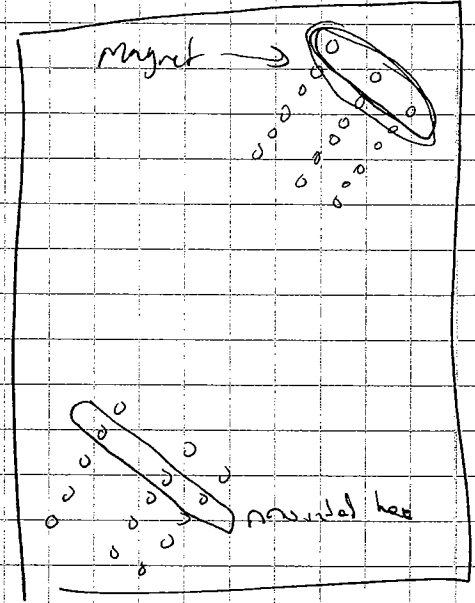
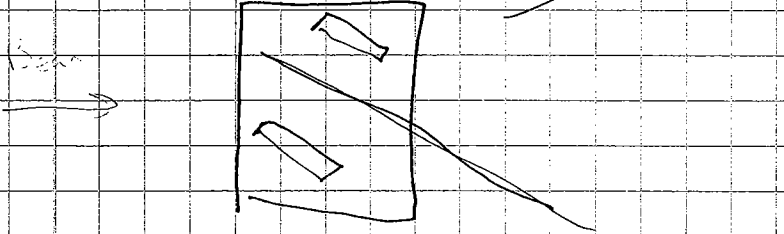
forced readout by tower ~~0.2~~

417

same forced readout



map mount positions
Down stream



facet

