

SECTION III

EXPERIMENTS APPROVED AT
PROGRAM ADVISORY COMMITTEE MEETING
PAC-8

PAC8 AND THE EXPERIMENTAL PROGRAM

The eighth meeting of the NSCL Program Advisory Committee (PAC8) was held May 3-4, 1987. The Committee consisted of:

1. V. Viola, Indiana
2. W. Benenson, MSU
3. P. Siemens, Texas A&M
4. F. Stephens, LBL
5. J. Vary, Iowa State
6. G. Young, ORNL

APPROVED EXPERIMENTS - NSCL PAC8

Experiment Number	Title and Authors (Spokesperson Underlined)	Hours Apvd
87002	³⁷ Cl Solar Neutrino Capture Cross Section via ³⁷ Ca Beta-Decay. <u>S. Gil</u> , E. Adelberger, W. Rogers P. Fernandez, D. Mikolas, T. Murakami. Univ. of Washington, NSCL.	96
87003	Giant Resonance Studies Using Inelastic ¹⁴ N Scattering. <u>U. Garg</u> , K. Beard, L. Goettig, D. Ye, R. Tighe, A. Galonsky, J. Winfield, D. Youngblood. Univ. of Notre Dame, NSCL, Texas A&M Univ.	144
87004	In-Beam Gamma-Ray Spectroscopy of Odd-Odd Nuclei in the Re and Sb Regions. <u>W. McHarris</u> , R. Aryaeinejad, W-T. Chou, W. Olivier, A. Romero, J. Batchelder, I. Ahmad, T. Khoo, R. Janssens, M. Drigert, R. Holzman, D. Dichter, W. Ma. NSCL, Argonne Natl Lab.	96
87005	Validity of DWBA for Intermediate Energy Heavy-Ion Transfer Reactions. <u>J. Winfield</u> , S. Austin, E. Adamides, G. Crawley, C. Djalali, C. Ogilvie, B. Sherrill, Y. Ahn, M. Torres. NSCL.	72
87006	Stopping Power Measurements with He Isotopes. <u>M. Mallory</u> , R. Aryaeinejad, R. Blue, F. Marti, <u>W. McHarris</u> , P. Miller, J. Nolen, R. Ronningen, D. Mikolas, W-T. Chou, W. Olivier, P. Miller, B. Sherrill. NSCL, Oak Ridge Natl Lab.	24
87007	Total Cross Section for Pion Production. <u>W. Benenson</u> , E. Kashy, Y. Chen, B. Sherrill, J. S. Winfield, M. Mohar, J. Stevenson, J. Clayton. NSCL.	120
87008	Extraction of Global State Variables in Exclusive Light Particle Measurements. <u>G. Westfall</u> , K. Wilson, D. Cebra, C. Djalali, D. Fox, A. Pradhan, R. Tickle, A. Vandermolen, J. Winfield. NSCL, Univ. of Michigan.	184
87009	(⁷ Li, ⁶ Li) and (⁷ Li, ⁶ He) as Probes of High-Spin Single Particle Levels in Heavy Nuclei. <u>F. Becchetti</u> , J. Janecke, A. Nadasen, D. Roberts, G. Crawley, C. Ogilvie. Univ. of Michigan, NSCL.	36
87011	Search for Spin Isovector Resonances Using Heavy Ion Reactions. <u>C. Djalali</u> , G. Crawley, C. Ogilvie, S. Austin, J. Winfield, G. Yoo, E. Adamides. NSCL.	146

87013	Exploratory Study of Two-Proton Pickup Reactions. <u>C. Ogilvie</u> , G. Crawley, C. Djalali, J. Winfield, G. Yoo, R. Tickle, F. Becchetti, J. Janecke. NSCL, Univ. of Michigan.	68
87014	High Energy Alpha Stripping Reactions. <u>C. Ogilvie</u> , G. Crawley, S. Austin, C. Djalali, J. Winfield, G. Yoo, R. Tickle, F. Becchetti, J. Janecke. NSCL, Univ. of Michigan.	74
87015	Heavy Fragment Correlations and Projectile Breakup. <u>T. Murakami</u> , W. Lynch, C. Gelbke, M. Tsang, T. Nayak, Z. Chen, W. Gong, H.M. Xu, Y. Kim, F. Zhu, V. Viola, K. Kwiatkowski. NSCL, IUCF.	192
87016	A Search for Complete Fusion in the Reaction of ^{14}C on ^{14}C . <u>B. Sherrill</u> , W. Benenson, M. Mohar, D. Morrissey, J. Winfield. NSCL.	48
87018	Development of Radioactive Beams Using the RPMS. <u>R. Piercey</u> , R. Ronningen, J. Stevenson, D. Mikolas, <u>R. Aryaeinejad</u> , R. Blue, M. Herath-Banda, F. Dunnam. Univ. of Florida, NSCL.	24
87019	High Energy Gamma Ray Measurement with H.I. Beam of 10MeV and 15 MeV/A. <u>Y. Chen</u> , E. Kashy, W. Benenson, D. Morrissey, J. Stevenson, J. Clayton, M. Mohar, A. Tam. NSCL.	144
87020	Associated Charged Particle Multiplicities and Angular Distribution Measurements Using a 4π Device. <u>M. Tsang</u> , H.M. Xu, C. Gelbke, W. Gong, Y. Kim, W. Lynch, T. Murakami, T. Nayak, R. Ronningen, F. Zhu, L. Sobotka, D. Sarantites, T. Semkow. NSCL, Washington University, St. Louis.	236
87022	Absolute Beta-Dealyed Alpha Emission Yields from ^{18}N . <u>M. Gai</u> , Z. Zhao, B.A. Brown, D. Mikolas, J. Nolen, M. Samuel, B. Sherrill, J. Stevenson, J. Winfield. Yale University, NSCL.	72
87024	Beta Decay Branching Ratios of the Proton Rich Nucleus ^{13}O . <u>D. Mikolas</u> , J. Nolen, B.A. Brown, J. Clayton, M. Samuel, B. Sherrill, J. Stevenson, J. Winfield, NSCL.	48