Princeton-Pennsylvania Accelerator	Laboratory Atomic Energy Commission
INSTALLATION	AGENCY OR DEPT.
TYPE OF FEDERAL GOVERNMENT-OWNED INSTALLATI A. R&D LABORATORY (1) GOVERNMENT-OPERATED (2) FFRDC (3) CONTRACTOR-OPERATED C. CONTRACTOR: Princeton University	ON: B. SUBSIDIARY R&D ORGANIZATION (1) GOVERNMENT-OPERATED (2) CONTRACTOR-OPERATED
DIRECTOR:Dr. Milton White	A. TECHNICAL DIRECTOR: Dr. Milton White
LOCATION: A. Princeton (Newest City)	B. Middlesex c. New Jersey (State)
P. O. ADDRESS: P. O. Box 682	New Jersey c. 08540 o. 609 ~452-5330
PERSONNEL: (As of June 1869): A. MAD PROFESSIONALS (Total): 56	6. FUNDING (Approximate FY 1989 Dollar Costs): A. INTRAMURAL (Total): 6 (See Item 9)
8. ALL OTHER PERSONNEL (Total): 212	8. EXTRAMURAL (Total): 0
MAJOR FUNCTIONS AND ACTIVITIES (Include CO	SATI Codes):
in the study of elementary lion electron volt proton s from Princeton, the Univers to study the properties of collective behavior of nucl	pania Accelerator Laboratory is engaged particles and nuclear structure. A 3-bil-synchrotron, is being used by scientists sity of Pennsylvania, and other institutions T, K and other elementary particles. The seons in nuclei is being examined through ergy protons and mesons with complex nuclei.
(20-08 Physics - Particle	Physics)
Design and operation of b (20-07 Physics - Particle	etatrons, cyclotrons, and synchrotrons, Accelerators)
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A. ADDITIONAL COSATI CODES:	

SURVEY OF FEDERAL GOVERNMENT RESEARCH AND DEVELOPMENT LABORATORIES

Conducted By THE NATIONAL SCIENCE FOUNDATION For The FEDERAL COUNCIL FOR SCIENCE AND TECHNOLOGY

8. MAJOR EQUIPMENT:

The Laboratory consists of 3-BeV accelerator, large crane covered target areas, setup laboratories, shops, offices, library, seminar rooms, and computing facilities.

Also available are high kilowatt power supplies, numerous quadrupole and dipole magnets, and portable shielding.

9. COMMENT AND PUBLICATION REFERENCES:

Publications resulting from Princeton-Pennsylvania Accelerator experimentation appear in scientific periodicals. Typical examples follow:

Measurement of the Relative Rate K_{e2}^+/K_{u2}^+ (R. Macek, A. K. Mann, W. K. McFarlane J. B. Roberts, K. W. Rothe, C. H. West, L. B. Auerbach) Phys. Rev. Lett, $\underline{22}$, 32 (1969)

Associated Production by 1.7 BeV/c TT on Proton (Y. L. Pan, F. Forman, W. Ko, V. Hagopian) APS Bull. 14, 39 (1969)

Differential Cross Section for n+p → d+TIO - A Test of Charge Independence (I. S. Hammerman, D. F. Bartlett, C. E. Friedberg, K. Goulianos, D. P. Hutchison) APS Bull. 14, 76 (1969)

Differential Cross Section of n+p \rightarrow d+y (C. E. Friedberg, D. F. Bartlett, K. Goulianos, I. S. Hammerman, D. P. Hutchison) APS Bull. $\underline{14}$, 76 (1969)

Measurement of K₁^O Lifetime (D. I. Lowenstein, C. D. Buchanan, I. D. Goldblatt, K. Lande, J. Niederer) APS Bull. <u>14</u>, 92 (1969)
(Million)

 Item 6.A. Operating Costs......\$5.0

 Equipment Costs......
 0.4

 Construction Costs......
 1.1

 Total AEC Costs......
 \$6.5

October, 1969

^{*} University of Pennsylvania participates with Princeton University in the operation of the accelerator.

10. DATE OF REPORT: