

Abstract Submitted

for the Washington, D.C. Meeting of the
American Physical Society

28 April - 1 May 1975

Physical Review
Analytic Subject Index
Number 63.8

Bulletin Subject Heading
in which Paper should be placed
Strong Interactions - Cross

Sections

Neutral Particle Production in π^-d Reactions at 200 GeV/c.* S. Csorna, L. Dunn, A. Kocsis, H. J. Lubatti†, K. Moriyasu, P. Tressel, Visual Techniques Laboratory, Department of Physics, University of Washington, Seattle, Washington 98195; S. Otwinowski, G. Sinapius, R. Sosnowski, M. Szeptycka, A. Wroblewski, A. Zieminski, University of Warsaw, and Institute of Nuclear Research, 00-681 Warsaw, Poland Hoza 69; K. Dziunikowska, D. Kisielewska, P. Malecki, H. Rudnicka, J. Sidiel, A. Zalewska, Institute of Nuclear Physics, Krakow, Poland, 30-055 Krakow Ul. Kawiorzy 26A; K. Hayes, J. H. Klems, W. Ko, R. L. Lande†, D. Pellett, P. Yager, University of California, Department of Physics, Davis, California 95616.--Characteristics of π^0 production and K^0 , Λ , $\bar{\Lambda}$, production in π^-d interactions at 200 GeV are presented. The data are obtained from a 70,000 picture exposure of the FNAL 30" deuterium-filled bubble chamber. Comparison with pion proton data at similar energies and pion deuterium data at lower energies will be made.

* Research supported in part by the U.S.E.R.D.A. and the NSF.

† A. P. Sloan Foundation Research Fellow.

Abstract only. No full text available.