

Abstract Submitted  
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**Inverse-kinematics proton scattering from  $^{41}\text{P}$** <sup>1</sup> B.R. KLYBOR, S.D. GREGORY, E.B. HALDEMAN, L.A. RILEY, L.M. SKILES, Department of Physics and Astronomy, Ursinus College, P.D. COTTLE, K.W. KEMPER, Department of Physics, Florida State University, D. BAZIN, J. BELARGE, P.C. BENDER, B. ELMAN, A. GADE, S. LIPSCHUTZ, B. LONGFELLOW, E. LUNDERBERG, T. MIJATOVIC, J PEREIRA, R. TITUS, D. WEISSHAAR, J.C. ZAMORA, R.G.T. ZEGERS, National Superconducting Cyclotron Laboratory, Michigan State University — We have measured the gamma-ray spectrum of  $^{41}\text{P}$  using proton scattering in inverse kinematics with the NSCL/Ursinus College liquid hydrogen target and the GRETINA gamma-ray tracking array. We present preliminary results, including cross sections for populating several excited states of  $^{41}\text{P}$  via proton scattering.

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