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Inverse Kinematic Proton Scattering of ^{49}Ca D.M. MCPHERSON, P.D. COTTLE, K.W. KEMPER, Department of Physics, Florida State University, L.A. RILEY, M.L. AGIORGOUSIS, F.G. DEVONE, M.T. GLOWACKI, B.V. SADLER, Department of Physics and Astronomy, Ursinus College, T.R. BAUGHER, D. BAZIN, M. BOWRY, A. GADE, E.M. LUNDERBERG, S. NOJI, F. RECCHIA, M. SCOTT, D. WEISSHAAR, R.G.T. ZEGERS, National Superconducting Cyclotron Laboratory, Michigan State University — An inverse kinematic proton scattering experiment was performed using the Ursinus College liquid hydrogen target and a rare isotope beam containing ^{48,49}Ca and recorded using the GRETINA-S800 detector system at the NSCL. A preliminary cross section for the lowest lying octupole vibration excitation in ^{49}Ca was measured using efficiency corrected gamma ray counts yielded by fitting GEANT simulations to the measured GRETINA spectra.

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