

Abstract Submitted
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Inverse-kinematics Proton Scattering from ^{51}Ca ¹ SEAN GREGORY, Ursinus College — We have studied ^{51}Ca using inverse kinematics proton scattering. The experiment was run at the National Superconducting Cyclotron Laboratory (NSCL) using the GRETINA gamma-ray tracking array and the Ursinus College/NSCL liquid hydrogen target. We used geant4 simulations to extract gamma-ray intensities from the measured gamma-ray spectrum. The reaction populated five excited states of ^{51}Ca . We observed a new gamma ray with an energy of 3950 keV. Preliminary results will be discussed.

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