

Abstract Submitted
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One-proton knockout from ^{82}Ge ¹ B.A. HARTL, J.L. PALARDY, L.A. RILEY, Ursinus College, T.R. BAUGHER, D. BAZIN, A. GADE, T. GLASMACHER, G.F. GRINYER, S. MCDANIEL, R.T. MEHARCHAND, A. RATKIEWICZ, K.A. WALSH, D. WEISSHAAR, National Superconducting Cyclotron Laboratory, Michigan State University — We report the results of an experiment performed at the National Superconducting Cyclotron Laboratory at Michigan State University (NSCL) in which the one-proton knockout reaction $^9\text{Be}(^{82}\text{Ge},^{81}\text{Ga})\text{X}$ was observed. The ≈ 90 MeV/nucleon exotic cocktail beam had primary components ^{82}Ge and ^{83}As . The incoming beam was purified with the A1900 fragment separator, gamma rays emitted by the reaction products were detected with the Segmented Germanium Array (SeGA), and the reaction products were identified in the S800 magnetic spectrograph. We measured gamma rays in coincidence with incoming ^{82}Ge and outgoing ^{81}Ga , as well as the one-proton knockout cross section. Preliminary Results are discussed.

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