Abstract Submitted
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Spectroscopy of ^{13}Li[1] E.M. LUNDERBERG, C.C. HALL[2], P.A. DEYOUNG, Hope College Department of Physics, M. THOENNESSEN, J. SNYDER, National Superconducting Cyclotron Laboratory, Michigan State University, MONA COLLABORATION — The spectroscopy of neutron-unbound levels in ^{13}Li is presented. The ^{13}Li were formed by a one-proton knockout reaction from a 53.6 MeV/u ^{14}Be beam at the National Superconducting Cyclotron Laboratory. The decay energy spectrum was measured with the Modular Neutron Array (MoNA) and Sweeper superconducting dipole magnet experimental setup. ^{13}Li decays via two-neutron emission and Geant4 simulations will be shown. The results will also be compared to Yu. Aksyutina *et al.*, Phys. Lett B **666**, 430 (2008).

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