

Abstract Submitted
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Spectroscopy of exotic $^{123,125}\text{Ag}$ produced in fragmentation reactions¹ IRINA STEFANESCU, W.B. WALTERS, N. HOTELING, University of Maryland, P.F. MANTICA, J. PEREIRA, J.S. PINTER, J.B. STOKER, B. TOMLIN, NSCL, MSU — We extended the experimental knowledge in the mass-region around ^{132}Sn by identifying the decay of high-spin isomers in the exotic odd-mass $^{123,125}\text{Ag}$. The two isotopes were produced at the NSCL laboratory by projectile fragmentation of a ^{136}Xe beam at 120MeV/u directed onto a thick Be target. The NSCL Beta Counting System was used identify the secondary beam fragments. Prompt and delayed gamma-rays following the deexcitation of the fragments were detected with the SEGA array. Partial level schemes for $^{123,125}\text{Ag}$ are proposed for the first time and compared with the results of shell-model calculations.

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