Abstract Submitted
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^{124}In Levels Populated in the β-decay of ^{124}Cd[1] J. C. BATCHELDER, University of California, Berkeley, N. T. BREWER, C. J. GROSS, ORNL, R. GRZYWACZ, University of Tennessee, J. H. HAMILTON, Vaderbillt University, M. KARNY, ORNL, A. FIJALKOWSKA, University of Tennessee, S. H. LIU, ORAU, K. MIERNIK, ORNL, S. W. PADGETT, S. V. PAULAUSKAS, University of Tennessee, K. P. RYKACZEWSKI, ORNL, A. V. RAMAYYA, Vaderbillt University, D. W. STRACENER, M. WOLIŃSKA-CICHOCKA, ORNL — The β-decay of ^{124}Cd into levels in ^{124}In was reinvestigated at the Holifield Radioactive Ion Beam Facility (HRIBF). Fifty MeV protons were bombarded on aranium targets and the induced fission products were mass separated and deposited on a moving tape in the center of an array of γ-detectors. The resulting γ-γ coincidences revealed appreciable disagreement with previous work and has resulted in a revised ordering of the low energy states in ^{124}In. The resulting partial decay scheme has four energy levels, three of which are new.

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