

Abstract Submitted
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Population of low-spin levels in $^{75,77}\text{Ge}$ in neutron-capture reactions¹ N.E. SHARP, University of Maryland, College Park, MD 20742, B.J. CUMMINGS, United States Naval Academy, Annapolis, MD 21412, C.J. CHIARA, W.B. WALTERS, University of Maryland, College Park, MD 20742, R.T. BINDEL, R.L. PAUL, National Institute of Standards and Technology, Gaithersburg, MD 20899 — The structure of nuclei near ^{76}Ge has been of interest owing to the possibility of neutrinoless double beta decay. To further characterize the low-energy, low-spin structure for ^{75}Ge and ^{77}Ge , we have studied the gamma rays following neutron capture on highly enriched ^{74}Ge and ^{76}Ge , respectively, in experiments performed at the cold-neutron beam line at the NIST Center for Neutron Research. The new spectra will be shown and insight into the level structures presented.

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