Abstract Submitted for the DNP10 Meeting of The American Physical Society

Extended yrast level schemes in 121,123 Cd¹ W.B. WALTERS, C.J. CHIARA, University of Maryland — New level structures for 121,123 Cd will be presented that were determined in the study of the 64 Ni- and 76 Ge-induced fission of 238 U at Gammasphere [1]. A number of transitions were previously observed by Hwang et al. from which yrast levels were identified with maximum proposed spins of 27/2- and 23/2- in 121,123 Cd, respectively [2]. If the additional transitions have stretched E2 multipolarity, these level structures would be extended to 31/2- at 4083 keV, and 35/2- at 5365 keV in 121,123 Cd, respectively. These level sequences will be compared to existing levels in the lighter odd-mass Cd nuclei and the isomeric structures and calculations in the heavier odd-mass Cd nuclei.

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J. K. Hwang et al., J. Phys. G: Nucl. Part. Phys. 28, L9 (2002).

¹Supported by the DOE Office of Nuclear Physics under Grant/Contract DE-FG02-94ER40834 and DE-AC02-06CH11357.

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Date submitted: 01 Jul 2010

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