238 U(136 Xe,F γ) 2009Ma47

History

Author Literature Cutoff Date Citation Full Evaluation Balraj Singh, Boris Pritychenko **ENSDF** 10-May-2012

2009Ma47: E=954 MeV; measured Eγ, Ιγ, γγ-coin using CLARA clover array of HPGe detectors in coincidence with the large-acceptance magnetic spectrometer PRISMA at the INFN, Legnaro facility. Comparison with systematics of E2 transitions and quadrupole deformations in this mass region.

96Kr Levels

Comments E(level)

E(level): this level is questionable in view of results of Coulomb excitation experiment (2012Al03); thus not 241? (2^{+}) given in Adopted Levels.

$$\gamma$$
(96Kr)

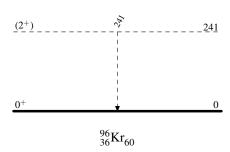
 E_{ν} : detailed discussion in 2009Ma47 is given about the assignment of of 241 γ as 2⁺ to 0⁺ transition rather than 4^+ to 2^+ . But 2012Al03 did not observe this γ ray in Coulomb excitation experiment. Instead, they assigned a 554.1-keV γ ray to the decay of first 2⁺ state.

Comments

 $^{238}\text{U}(^{136}\text{Xe,F}\gamma)$ 2009Ma47 Legend

Level Scheme

γ Decay (Uncertain)



[†] Placement of transition in the level scheme is uncertain.