

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

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

2009Ma47: E=954 MeV; measured E_γ , I_γ , $\gamma\gamma$ -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.

 ^{96}Kr Levels

E(level)	J^π	Comments
0	0^+	
241?	(2^+)	E(level): this level is questionable in view of results of Coulomb excitation experiment (2012AI03); thus not given in Adopted Levels.

 $\gamma(^{96}\text{Kr})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
241 [†]	241?	(2^+)	0	0^+	E_γ : detailed discussion in 2009Ma47 is given about the assignment of of 241 γ as 2^+ to 0^+ transition rather than 4^+ to 2^+ . But 2012AI03 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.

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

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Legend

Level Scheme-----► γ Decay (Uncertain)