^{239}Pu(n,Fγ),^{241}Pu(n,Fγ) 2004Sc42

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	J. Katakura	NDS 112, 495 (2011)	1-Jan-2010

2004Sc42,2005ScZO: Thermal neutron fission of ^{239}Pu and ^{241}Pu; LOHENGRIN mass spectrometer; measured Eγ, γγ coin. The level scheme is that reported in 2005ScZO.

^{125}Cd Levels

E(level)†	Jπ	Comments
x	(11/2⁻)	Additional information 1.
x+719.1 *4*	(15/2⁻)	
x+1461.8 *6*	(19/2⁺)	

† From a least-squares fit to the adopted Eγ's relative to E(11/2⁻).

γ(^{125}Cd)

E_γ†	E_i(level)	J^π_i	E_f	J^π_f
719.1 *4*	x+719.1	(15/2⁻)	x	(11/2⁻)
742.7 *4*	x+1461.8	(19/2⁺)	x+719.1	(15/2⁻)

† From 2005ScZO.

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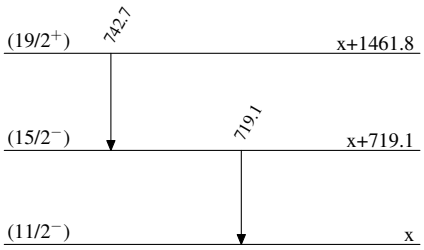
Level Scheme



$^{125}_{48}Cd_{77}$