

$^{238}\text{U}(^{12}\text{C},\text{F}\gamma)$ 1999Ho25

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113, 2391 (2012)	1-Sep-2012

Prompt γ rays from heavy-ion induced fission.

E=90 MeV. Measured $E\gamma$, $I\gamma$, $\gamma\gamma$ using Euroball iii array with 15 Cluster Ge detectors, 26 Clover Ge detectors located in two rings around 90° and 30 tapered Ge detectors, with each Ge detector surrounded by its own BGO Compton suppression shield.

 ^{115}Pd Levels

E(level)	J^π [†]	$T_{1/2}$	Comments
0	(5/2 ⁺)		J^π : Authors assigned (5/2 ⁺).
177 [‡]	(11/2 ⁻)	50 s	E(level): From Adopted Levels.
571 [‡]	(15/2 ⁻)		
1152 [‡]	(19/2 ⁻)		
1895 [‡]	(23/2 ⁻)		
2777 [‡]	(27/2 ⁻)		

[†] Adopted values.

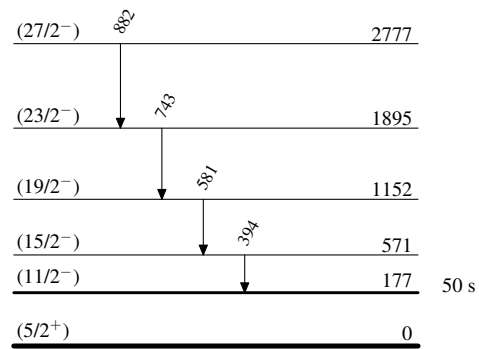
[‡] Band(A): $\nu h_{11/2}$, $\alpha=-1/2$ band.

 $\gamma(^{115}\text{Pd})$

E_γ	$E_i(\text{level})$	J^π_i	E_f	J^π_f
394	571	(15/2 ⁻)	177	(11/2 ⁻)
581	1152	(19/2 ⁻)	571	(15/2 ⁻)
743	1895	(23/2 ⁻)	1152	(19/2 ⁻)
882	2777	(27/2 ⁻)	1895	(23/2 ⁻)

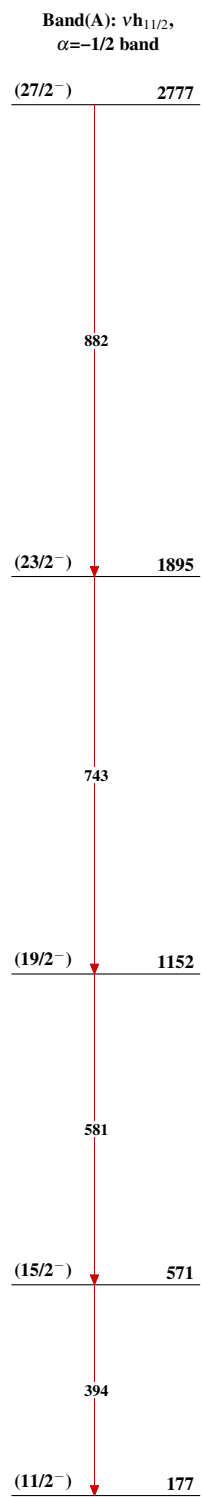
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Level Scheme



$^{115}_{46}\text{Pd}_{69}$

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$^{115}_{46}\text{Pd}_{69}$