

$^{238}\text{U}(\alpha, \text{F}\gamma)$ 2003Hu05

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 111, 717 (2010)	1-Dec-2009

E=30 MeV. Measured E_γ , $\gamma\gamma$ using the Gammasphere in conjunction with the Rochester highly segmented 4π heavy-ion detector array, CHICO.

 ^{116}Pd Levels

E(level)	J^π	E(level)	J^π	E(level)	J^π	E(level)	J^π
0.0 [†]	0 ⁺	1559.9 [†]	6 ⁺	3683.6 [†]	12 ⁺	6093.8 [†]	18 ⁺
340.3 [†]	2 ⁺	2344.1 [†]	8 ⁺	4395.0 [†]	14 ⁺	6917.2 [†]	20 ⁺
878.1 [†]	4 ⁺	3091.9 [†]	10 ⁺	5244.4 [†]	16 ⁺	7818.8 [†]	22 ⁺

[†] Band(A): g.s., yrast band.

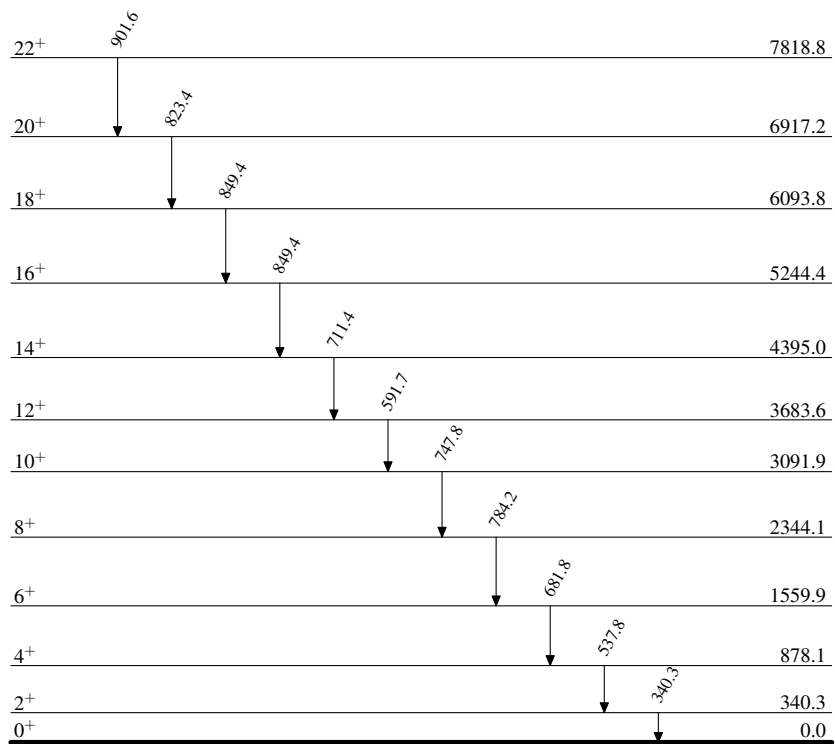
 $\gamma(^{116}\text{Pd})$

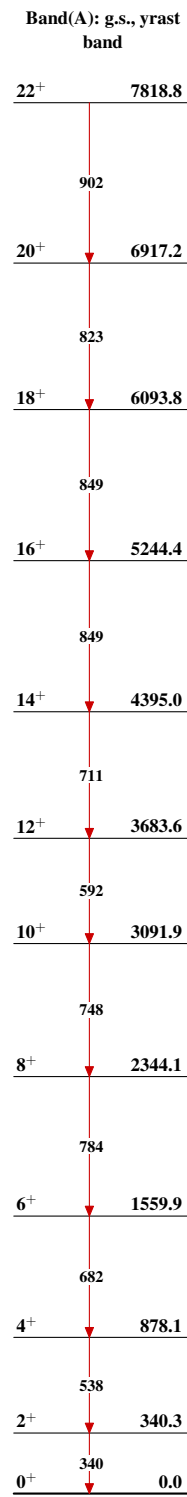
E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
340.3	340.3	2 ⁺	0.0	0 ⁺	784.2	2344.1	8 ⁺	1559.9	6 ⁺
537.8	878.1	4 ⁺	340.3	2 ⁺	823.4	6917.2	20 ⁺	6093.8	18 ⁺
591.7	3683.6	12 ⁺	3091.9	10 ⁺	849.4 [†]	5244.4	16 ⁺	4395.0	14 ⁺
681.8	1559.9	6 ⁺	878.1	4 ⁺	849.4 [†]	6093.8	18 ⁺	5244.4	16 ⁺
711.4	4395.0	14 ⁺	3683.6	12 ⁺	901.6	7818.8	22 ⁺	6917.2	20 ⁺
747.8	3091.9	10 ⁺	2344.1	8 ⁺					

[†] From level-energy difference. In figure 2 of 2003Hu05, $E_\gamma=849$.

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Level Scheme

 $^{116}_{46}\text{Pd}_{70}$

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