

$^{238}\text{U}(\alpha,4n\gamma)$ 1983Ha31

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 127, 191 (2015)	1-Jun-2014

E=40 MeV.

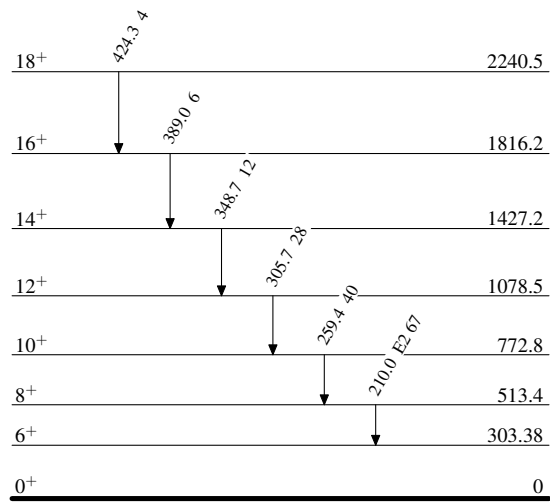
 ^{238}Pu Levels

E(level)	J^π [†]
0	0 ⁺
44.08 [‡]	3 2 ⁺
145.95 [‡]	3 4 ⁺
303.38 [‡]	6 6 ⁺
513.4	2 8 ⁺
772.8	3 10 ⁺
1078.5	4 12 ⁺
1427.2	4 14 ⁺
1816.2	5 16 ⁺
2240.5	7 18 ⁺

[†] From Adopted Levels.[‡] Rounded-off value from Adopted Levels. $\gamma(^{238}\text{Pu})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult.	$I_{(\gamma+ce)}$ [†]	Comments
210.0	2 513.4	8 ⁺	303.38	6 ⁺	E2	67 4	Mult.: from ce(L2)/ce(L3).
259.4	2 772.8	10 ⁺	513.4	8 ⁺		40 2	
305.7	2 1078.5	12 ⁺	772.8	10 ⁺		28 2	
348.7	3 1427.2	14 ⁺	1078.5	12 ⁺		12 1	
389.0	3 1816.2	16 ⁺	1427.2	14 ⁺		6 1	
424.3	4 2240.5	18 ⁺	1816.2	16 ⁺		4 1	

[†] The quoted numbers were normalized to $Ti(10^+ \text{ to } 8^+)=40$.

$^{238}\text{U}(\alpha,4n\gamma)$ **1983Ha31**Level Scheme $^{238}_{94}\text{Pu}_{144}$