

¹³⁸Ba(α ,n γ) **1978KoZR**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 187,1 (2023)	12-Oct-2022

E=17-20 MeV.
Measured: γ , $\gamma\gamma$, $\gamma(t)$, $\gamma(\theta)$.

¹⁴¹Ce Levels

E(level)	J π [†]	T _{1/2}	Comments
0.0	7/2 ⁻		
1369.7	13/2 ⁺	5.3 ns 3	
1962.5	15/2 ⁽⁺⁾		
2209	17/2 ⁽⁺⁾		
2274	(19/2)	2.2 ns 4	E(level): from sum of the E γ 's; 1978KoZR give a more precise value of 2272.8 on their figure.

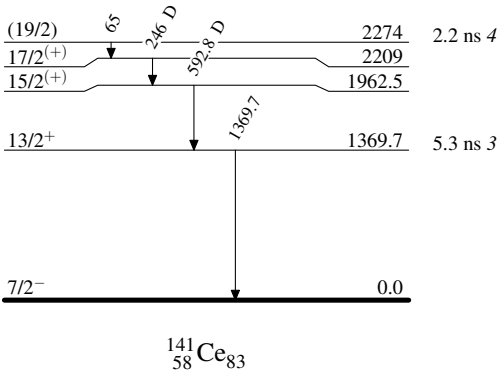
[†] Adopted values.

$\gamma(^{141}\text{Ce})$

E γ	E _i (level)	J π _i	E _f	J π _f	Mult.	Comments
65	2274	(19/2)	2209	17/2 ⁽⁺⁾	D	Mult.: A ₂ =-0.16.
246	2209	17/2 ⁽⁺⁾	1962.5	15/2 ⁽⁺⁾	D	Mult.: A ₂ =-0.22.
592.8	1962.5	15/2 ⁽⁺⁾	1369.7	13/2 ⁺		
1369.7	1369.7	13/2 ⁺	0.0	7/2 ⁻		

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Level Scheme



¹⁴¹Ce₈₃