

$^{235}\text{U}(\text{n},\text{F}) \text{E=thermal}$ 1973Kh05

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 117, 1 (2014)	1-Oct-2013

Measured: γ , ce. ^{148}Ce Levels

E(level)	J^π †
0.0	0 ⁺
159 2	2 ⁺
454 3	4 ⁺
840	6 ⁺

† Adopted values.

 $\gamma(^{148}\text{Ce})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult.	α^\dagger	Comments
159 2	159	2 ⁺	0.0	0 ⁺	E2	0.402 19	$\alpha(\text{K})=0.290$ 13; $\alpha(\text{L})=0.088$ 5; $\alpha(\text{M})=0.0194$ 11; $\alpha(\text{N+..})=0.0048$ 3 $\alpha(\text{N})=0.00419$ 24; $\alpha(\text{O})=0.00061$ 4; $\alpha(\text{P})=1.70 \times 10^{-5}$ 7 Mult.: K/L=2.8; consistent with E2.
296 2	454	4 ⁺	159	2 ⁺			
386 2	840	6 ⁺	454	4 ⁺			

† [Additional information 1.](#)

 $^{235}\text{U}(\text{n},\text{F}) \text{E}=\text{thermal} \quad 1973\text{Kh05}$ Level Scheme