

¹⁴²Nd(¹³C, ¹⁴C)

1976Th05

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

E=67.5 MeV.
Measured: $\sigma(E,\theta)$, DWBA analysis; resolution 70 keV;

¹⁴¹Nd Levels

E(level) [†]	J ^π [†]	T _{1/2}	S	Comments
0.0	3/2 ⁺		3.4	
194	1/2 ⁺		1.9	
756	11/2 ⁻	62.0 [‡] s 8	6.8	
1223	5/2 ⁺		2.8	
1565	(3/2) ⁺		0.76	
1820	5/2 ⁺ , 3/2 ⁺		0.52	E(level): unresolved doublet 1820+1887. S: for J=5/2 ⁺ .

[†] Adopted values.
[‡] From Adopted Levels.