

$^{140}\text{Ce}(\text{d},\text{n})$ [1976AdZR,1975AdZQ](#)

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

E=12 MeV.

Measured: $\sigma(\text{E},\theta)$, DWBA analysis, tof. ^{141}Pr Levels

<u>E(level)</u>	<u>J^π[†]</u>	<u>L[‡]</u>	<u>S[‡]</u>	<u>Comments</u>
0.0	5/2 ⁺	2	0.47	
145 5	7/2 ⁺	4	0.28	
1110 9	11/2 ⁻	5	0.74	
1300 10	1/2 ⁺	0	0.35	
1600 15	(3/2) ⁺	2	0.58	
1650 15	1/2 ⁺	0	0.14	J^π : adopted value is (9/2 ⁺). E(level),S: not resolved; the authors (1976AdZR) assumed that $\sigma(1600)/\sigma(1650)=4$.

[†] Adopted values.[‡] From [1976AdZR](#).