

$^{139}\text{La}(\text{}^3\text{He,d})$ 1971Jo16

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 154, 1 (2018)	20-Nov-2018

E=44.2 MeV.

$J^\pi(^{139}\text{La})=7/2^+$.

Measured: $\sigma(E,\theta)$, DWBA analysis.

 ^{140}Ce Levels

E(level)	L	S	E(level)	L	S	E(level)	L	S
0.0	4	6.49	2900 25	2	0.78	3780 25	2+0	4.72+1.43
1600 25	2	0.83	3120 25	2	3.4	3890 25	5	4.45
2100 25	2	14.0	3250 25	5	4.17	4000 [†] 25	2+0	5.55+3.20
2350 25	2	6.97	3330 25	0+2	2.7+1.24	4130 [†] 25	0	7.33
2410 25	2	4.53	3420 25	5	13.4	4170 25	0	
2470 25	2	4.13	3470 25	5	35.9	4260 25	0	3.70
2520 25	2	3.63	3530 25	5	20.6	4360 25	2	17.8
2630 25	4	17.2	3690 25	5	12.5			

[†] Unresolved doublet.