

$^{142}\text{Ce}(^3\text{He},\alpha)$ 1979Li12

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

E=24 MeV.

Measured: $\sigma(E,\theta)$; DWBA analysis. ^{141}Ce Levels

E(level)	J^π^\dagger	L	S	E(level)	J^π^\dagger	L	S	E(level)	J^π^\dagger	L	S
0.0	$7/2^-$	3	0.83	2243 <i>10</i>	$(7/2^+)$	(4)	(0.064)	2986 <i>10</i>	$1/2^+$	0	
1364 <i>10</i>	$13/2^+$	6	≤ 0.44	2316 <i>10</i>	$7/2^-$	(3)	(0.034)	3056 <i>10</i>	$3/2^+, 5/2^+$	2	1.4
1623 <i>10</i>	$3/2^+$	2	2.3	2458 <i>10</i>	$3/2^+, 5/2^+$	2	0.28	3114 <i>10</i>	$11/2^-$	5	0.82
1781 <i>10</i>	$1/2^+$	0	0.45	2531 <i>10</i>	$(11/2^-)$	(5)	(0.060)	3333 <i>10</i>	$5/2^-$	3	0.30
1910 <i>10</i>	$11/2^-$	5	0.69	2583 <i>10</i>				3409 <i>10</i>	$(11/2^-)$	(5)	(0.18)
2044 <i>10</i>	$11/2^-$	5	0.46	2671 <i>10</i>				3605 <i>10</i>	$(7/2^+)$	(4)	
2163 <i>10</i>	$11/2^-$	5	1.7	2884 <i>10</i>	$3/2^+, 5/2^+$	2					

 † Values used in calculations of S.