

$^{140}\text{Ce}(^7\text{Li}, ^6\text{He})$ 1980C108

<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=52 MeV.

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

<u>E(level)</u>	<u>J^π[†]</u>	<u>L</u>	<u>C^2S[‡]</u>	<u>Comments</u>
0.0	$5/2^+$	2	1.00 <i>14</i>	
145	$7/2^+$	4	0.63 <i>14</i>	
1110	$11/2^-$	5	1.36 <i>21</i>	
1300	$1/2^+$	0	0.88 <i>13</i>	
≈ 1600				E(level): doublet with 1600, $3/2^+$ ($C^2S=0.82$ <i>13</i>) and 1650, $1/2^+$ ($C^2S=1.24$ <i>19</i>) components.

[†] From J-dependence of $\sigma(\theta)$.[‡] Relative.