

$^{11}\text{B}(^7\text{Li},^6\text{He})$  1983Ne11

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, J. E. Purcell and C. G. Sheu		NP A968,71 (2017)	1-Jan-2017

1983Ne11:  $^{11}\text{B}(^7\text{Li},^6\text{He})$  E=34 MeV, measured  $\sigma(E(^6\text{He}))$ ,  $\sigma(\theta)$ .  $^{12}\text{C}$  deduced levels, J,  $\pi$ , T, S. DWBA analysis.

1987Co16:  $^{11}\text{B}(^7\text{Li},^6\text{He})$  E=34 MeV, measured  $\sigma(\theta)$ .

 $^{12}\text{C}$  Levels

E(level)	J $\pi$	T $_{1/2}$ <sup>†</sup>	S <sup>†</sup>	Comments
0	0 <sup>+</sup>		8.22	
4.4×10 <sup>3</sup>	2 <sup>+</sup>		1.78	
7.7×10 <sup>3</sup>	0 <sup>+</sup>		0.084	
9.6×10 <sup>3</sup>	3 <sup>-</sup>		0.37	
10.8×10 <sup>3</sup>	1 <sup>-</sup>		0.057	
11.8×10 <sup>3</sup>	2 <sup>+</sup>		0.079	
12.7×10 <sup>3</sup>			1	
15.1×10 <sup>3</sup>			0.78	
16.1×10 <sup>3</sup>			0.80	
18.35×10 <sup>3</sup> 5	3 <sup>-</sup> &2 <sup>-</sup>	350 keV 50		E(level): Unresolved doublet. See discussion in $^{11}\text{B}(d,n)$ .

<sup>†</sup> From (1983Ne11).