

$^4\text{He}(^7\text{Li},\alpha)$ 2011Ya02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu		NP A880,88 (2012)	1-Jan-2011

2011Ya02:

 ^{11}B Levels

E(level)	J^π	L	Comments
10240 [†]	3/2 ⁻ [†]	2	$\Gamma\alpha=4$ keV $\Gamma\alpha<9$ keV.
10340 [†]	5/2 ⁻ [†]	2	$\Gamma\alpha=19$ keV 4
10600 [†]	7/2 ⁺ [†]	3	$\Gamma\alpha=10$ keV 3
11060? 40	(5/2,3/2,7/2,9/2) ⁺	3	$\Gamma\alpha=32$ keV 20 $J^\pi=5/2^+$ is preferred.
11290 [†]	9/2 ⁺ [†]	3	$\Gamma\alpha=35$ keV 4
11590?	(7/2 ⁻)	4	$\Gamma\alpha=270$ keV; $\Gamma_n=580$ keV
12630? 40	(3/2,5/2,7/2,9/2) ⁺	3	$\Gamma\alpha=33\text{--}400$ keV, the resonance should not Be regarded As a single-state resonance.
13030 [†]	9/2 ⁻ [†]	4	$\Gamma\alpha=140$ keV +110–80

[†] From (1990Aj01) and (2004Ti06).