Table 11.21 from (2012KE01): Resonances deduced from ^{7}Li(α, γ)^{11}B [a]

E_α (keV)	$\Gamma_{\rm cm}$ (keV)	^{11}B* (MeV)	J^π	$\omega\gamma$ (eV)	Γ_{γ_0} (eV)	Percentage decay to ^{11}B*			
						0	4.44	6.74	6.79
401 ± 3 [b]	4.37 ± 0.02 eV	8.919	$\frac{5}{2}^-$	$(8.8 \pm 1.4) \times 10^{-3}$	4.15 ± 0.02 [c]	95 ± 1	4.5 ± 0.5		
814 ± 2 [b]	$1.8^{+1.5}_{-1.1}$ eV	9.182	$\frac{7}{2}^+$	0.303 ± 0.26 [g]	$0.17^{+0.05}_{-0.01}$ [d]	0.9 ± 0.3	90.8 ± 4.0	8.3 ± 1.0	< 1.3
953 ± 2 [b]	4	9.271	$\frac{5}{2}^+$	1.72 ± 0.24	0.20 ± 0.03 [c]	17.1 ± 1.0	71.7 ± 1.8	11.2 ± 0.6	< 0.6 [e]
2500 ± 20	433	10.26			17	[f]			
2620 ± 20	100	10.33			1.0	[f]			
2800 ± 80	≈ 140	10.45			$10/(2J+1)$				
(3040)	90	(10.60)			< 0.2	[f]			

[a] See Table 11.6 in (1980AJ01) for comments and references.

[b] Γ_α(cm)=$(5.9 \pm 0.9) \times 10^{-3}$, $1.6^{+1.5}_{-1.1}$, and 4×10^3 eV for ^{11}B*(8.92, 9.19, 9.27) (1984HA13). See also Table 11.19.

[c] See Table 11.19.

[d] Γ_γ, not Γ_{γ_0}. See also Table 11.19.

[e] The decay to ^{11}B*(7.29, 7.98) [$J^\pi = \frac{5}{2}^+, \frac{3}{2}^+$] is also observed: $\approx 1\%$ and $\approx 0.03\%$ respectively.

[f] $< 10\%$ to ^{11}B*(2.12).

[g] Weighted average of 0.300 ± 0.032 (2004GY02) and 0.310 ± 0.047 (1984HA13).