

Table 11.8 from (1990AJ01): Levels of ^{11}B from the $^{10}\text{Be}(p, \gamma_0)^{11}\text{B}$ reaction (1970GO04)

E_p (MeV \pm keV)	E_x (MeV)	$\Gamma_{\text{c.m.}}$ (keV)	$(J + \frac{1}{2})(\Gamma_p/\Gamma)\Gamma_{\gamma_0}$ ^a (eV)	Γ_{γ_0} ^a (eV)	$\Gamma_{\gamma_1}/\Gamma_{\gamma_0}$	J^π
(1.05 ± 40) ^b	(12.18)	230 ± 90	$3.1^{+2.9}_{-2.0}$			
1.46 ± 30	12.56	230 ± 65	10^{+7}_{-5}	10^{+7}_{-5}	0.25 ± 0.08	$\frac{1}{2}^+(\frac{3}{2}^+)$
1.85 ± 20	12.91	235 ± 27	29 ± 9	29 ± 9 ^d	≤ 0.06	$\frac{1}{2}^-$
3.41 ± 20	14.33	255 ± 36	29 ± 9	14.5 ± 4.3	≤ 0.1	$\frac{5}{2}^{(+)}(\frac{3}{2}^-)$
4.5 ± 100	15.32	635 ± 180	53^{+34}_{-26} ^c			

^a Values reported in (1970GO04) are here shown multiplied by 1.7: see (1973GO09). See also Table 11.14.

^b May be due to $^{10}\text{B}^*(0.7) + n$ threshold.

^c Assumes that $\sigma_{\text{total}} = 4\pi d\sigma/d\Omega(90^\circ)$.

^d In the (e, e') work of (1975KA02) a strong group is observed at $E_x = 13.0 \pm 0.1$ MeV. If it corresponds to the excitation of $^{11}\text{B}^*(12.91)$ with $J^\pi = \frac{1}{2}^-$; $T = \frac{3}{2}$, then $\Gamma_{\gamma_0} = 36 \pm 7$ eV (1975KA02).