

Table 11.1 from (1959AJ76): Energy levels of ^{11}B

E_x (MeV \pm keV)	J^π	τ_m (sec) or Γ (keV)	Decay	Reactions
0	$\frac{3}{2}^-$	stable	—	1, 10, 11, 12, 19, 22, 29, 30, 31, 34, 36, 38
2.127 \pm 6	$\frac{1}{2}^-$	$\tau_m = (4.6 \pm 0.6) \times 10^{-15}$	γ	10, 11, 19, 22, 23, 27, 28, 36, 38
4.459 \pm 8	$(\frac{5}{2}^-)$	$\tau_m = (1.17 \pm 0.17) \times 10^{-15}$	γ	1, 10, 12, 13, 19, 23, 28, 36, 38
5.035 \pm 8	$(\frac{3}{2}^-)$	< 13	γ	1, 10, 19, 38
6.758 \pm 7	$(\frac{7}{2}^-)$	< 13	γ	1, 10, (12), 13, 19, 22, 28, 38
6.808 \pm 7	$(\frac{3}{2}^-)$	< 13	γ	1, 10, (12), 19, 22, 36
7.298 \pm 6	$(\frac{5}{2}^-)$	< 13	γ	1, 10, 19, 38
7.987 \pm 9		< 8	γ	10, 19, 22, 28, 38
8.568 \pm 5	$(\frac{1}{2}^+, \frac{3}{2}^+)$	< 8	γ	10, 19, 28, 38
8.927 \pm 5	$(\frac{5}{2}^+)$	< 0.7	γ, α	1, 10, 12, 13, 19, 38
9.191 \pm 5	$(\frac{7}{2}^+)$	< 0.1	γ, α	1, 10, 13, 19, 26
9.276 \pm 5	$(\frac{5}{2}^+)$	5	γ, α	1, 10, 19
9.88 \pm 20	$(\leq \frac{5}{2})$	160	α	4, 10
10.26	$(\leq \frac{7}{2})$	220	α	4
10.32 \pm 20		45 \pm 14		19
10.62		100	α	4
11.0		670	α	4
11.46		70	$\alpha, (n)$	4, 18
11.68 \pm 100	$(\frac{5}{2}^+, \frac{7}{2}^+)$	140	α, n	2, 4, 12, 18
11.95 \pm 80	$(\frac{3}{2}^-, \frac{5}{2}^+)$	320	α, n	2, 4, 13, 18, 38
13.16		450	α, n	2, 13, 18
14.0		300	α, n	13, 18
15.1		500	α, n	13, 18
16.77		60	d, (n), p, t	6, 7, 8, 18
16.93		100	d, p, t	7, 8
17.5			d, p	8