

Table 9.9 from (79AJ01): Energy levels of ${}^9\text{B}$

E_x (MeV \pm keV)	$J^\pi; T$	$\Gamma_{\text{c.m.}}$ (keV)	Decay	Reactions
g.s.	$\frac{3}{2}^-; \frac{1}{2}$	0.54 ± 0.21	p, α	2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
(1.6)	$\frac{5}{2}^-; \frac{1}{2}$	≈ 700	(p, α)	13
2.361 ± 5		81 ± 5	α	2, 4, 6, 7, 8, 11, 12, 13, 15, 16
2.788 ± 30	$(\frac{3}{2}, \frac{5}{2})^+; \frac{1}{2}$	550 ± 40	p	4, 6, 11, 13, 16
(4.8 \pm 100)		1000 ± 200		4, 9
6.97 ± 60	$\frac{7}{2}^-; \frac{1}{2}$	2000 ± 200	p	4, 6, 9, 11, 15, 16
11.70 ± 70	$(\frac{7}{2})^-; \frac{1}{2}$	800 ± 50	p	9, 11, 13
12.06 ± 60	$;$ $\frac{1}{2}$	800 ± 200	p	4, 9, 15
14.01 ± 70	$;$ $\frac{1}{2}$	390 ± 110		4, 15
14.6550 ± 2.5	$\frac{3}{2}^-; \frac{3}{2}$	0.275 ± 0.093	γ , p	4, 7, 15
14.7 ± 180	$(\frac{5}{2})^-; \frac{1}{2}$	1350 ± 200		11
15.29 ± 40	$;$ $\frac{1}{2}$			15
15.58 ± 40	$;$ $\frac{1}{2}$			15
16.024 ± 25	$;$ $(\frac{1}{2})$	180 ± 16		4, 15
17.076 ± 4	$T = \frac{3}{2}$	22 ± 5		15
17.190 ± 25		120 ± 40	p, d, ${}^3\text{He}$	1, 4, 5, 15
17.637 ± 10		71 ± 8	p, d, ${}^3\text{He}$, α	1, 4, 5, 15
(18.6)		1000	p, ${}^3\text{He}$	1, 11