

Table 12.2 from (1990AJ01): Energy levels of ^{12}B ^a

E_x in ^{12}B (MeV \pm keV)	$J^\pi; T$	τ or $\Gamma_{\text{c.m.}}$ (keV)	Decay	Reactions
0	$1^+; 1$	$\tau_{1/2} = 20.20 \pm 0.02$ ms	β^-	1, 2, 5, 6, 8, 9, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28
0.95314 ± 0.60	2^+	$\tau_m = 260 \pm 40$ fs	γ	2, 5, 6, 8, 12, 13, 15, 18, 19, 23, 24, 25, 26, 27, 28
1.67365 ± 0.60	2^-	< 50 fs	γ	2, 5, 6, 8, 12, 13, 15, 18, 19, 23, 24, 25, 26
2.6208 ± 1.2	1^-	< 70 fs	γ	2, 6, 8, 12, 13, 15, 19, 24, 26
2.723 ± 11	0^+		γ	2, 6, 8, 13, 15, 24, 27
3.3891 ± 1.5	3^-	$\Gamma = 3.1 \pm 0.6$ eV	γ, n	2, 5, 6, 8, 9, 10, 12, 13, 15, 26
3.759 ± 6	2^+	40 ± 4 keV	γ, n	5, 6, 8, 9, 10, 12, 13, 27
4.301 ± 7	1^-	9 ± 4	γ, n	6, 8, 9, 10, 12
4.46	2^-	broad	n	10, 18, 23, 25, 26
4.518 ± 8	4^-	110 ± 20	γ, n	6, 8, 9, 10, 12, 13, 15, 18, 23, 25, 26
5.00 ± 20	1^+	50 ± 15	γ, n	6, 8, 9, 10, 12, 27
5.612 ± 8	3^+	110 ± 40	n	6, 8, 10, 12, 15, 23, 28
5.726 ± 8	3^-	50 ± 20	n	6, 8, 10, 15
6.0	1^-	broad	n	10
6.6	1^+	140	n	10
7.06	1^-	broad	n	10
7.545 ± 20		≤ 14	n	6, 8, 10
(7.67)	2^-	45	n	10
7.7 ± 100	1^-	1900 ± 100	n	26
7.836 ± 20	1^-	60 ± 40	n	6, 10
7.937 ± 20	(1^-)	27	n	6
8.1 ± 100		900 ± 200	(n)	6
8.120 ± 20	(3^-)		n	6, 8, 10
8.24 ± 30	3^-	65	n	6, 10

Table 12.2 from (1990AJ01): Energy levels of ^{12}B ^a (continued)

E_x in ^{12}B (MeV \pm keV)	$J^\pi; T$	τ or $\Gamma_{\text{c.m.}}$ (keV)	Decay	Reactions
8.376 \pm 20		40 \pm 20		6, 8
8.58 \pm 30	(3 ⁻)	75	n	6, 8, 10
8.707 \pm 20	(3 ⁻)		n	6, 10
9.04 \pm 20	1 ⁻	95 \pm 20	n	6, 8, 10
9.175 \pm 20	(2 ⁻)		n	6, 10
9.43 \pm 20		85 \pm 30		6, 8
9.585 \pm 5	3 ⁻	34 \pm 5	n	6, 8, 10
9.758 \pm 20				6
(9.83)				6
10.00 \pm 40		100	n	6, 10
10.11 \pm 40				6
10.220 \pm 20		< 25		6, 8
10.435 \pm 20		75 \pm 40		6
10.59 \pm 20		< 30		6, 8
10.90 \pm 20		30 \pm 10		6, 8
(11.08)				6
11.31 \pm 30		130 \pm 60		6
11.59 \pm 20		75 \pm 25		6
12.345 \pm 25		100 \pm 30	n	6, 8, 10
12.75 \pm 50	0 ⁺ ; $T = 2$	85 \pm 40		6, 28
13.33 \pm 30		50 \pm 20		6
(13.4 \pm 100)		broad		8
14.82 \pm 100	(2 ⁺ ; $T = 2$)	\leq 200		28
15.5				6
(21.8 \pm 400)	(3 ⁻)	(1300 \pm 400)		24
(23.9 \pm 1000)	(1 ⁻)	(6000 \pm 1000)		24

^a See also [Table 12.5](#).