

Table 12.3 from (1990AJ01): Levels of ^{12}B from $^9\text{Be}(^7\text{Li}, \alpha)$ and $^{10}\text{B}(t, p)$ ^a

E_x ^b (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ ^b (keV)	E_x ^c (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ ^c (keV)	L ^c	$J\pi$ ^c
0		0		2	(1, 2, 4, 5) ⁺
0.951 \pm 15		0.955 \pm 8		2	(1, 2, 4, 5) ⁺
1.674 \pm 15		1.673 \pm 8		1	(2, 3, 4) ⁻
2.625 \pm 15		2.627 \pm 8		3	(0, 1, 5, 6) ⁻
2.724 \pm 15		2.72 ^f		4	(0, 6, 7) ⁺
3.390 \pm 15		3.393 \pm 8			
3.77 \pm 20 ^d	40 \pm 20	3.754 \pm 8	42 \pm 5	2	(1, 2, 4, 5) ⁺
4.305 \pm 15	< 30	4.297 \pm 8	\leq 15		
4.534 \pm 15		4.514 \pm 8	95 \pm 15		
4.982 \pm 15 ^d	40 \pm 20	5.00 ^g	130 \pm 40		
5.57 \pm 30 ^d		5.612 \pm 8	120 \pm 20		
5.728 \pm 15	50 \pm 20	5.724 \pm 8	70 \pm 20		
7.545 \pm 20	< 30	7.55 ^f			
7.836 \pm 20	60 \pm 40				
7.937 \pm 20	< 40				
8.1 \pm 100	900 \pm 200				
8.120 \pm 20		8.16 \pm 30			
8.24 \pm 30					
8.376 \pm 20	40 \pm 20	8.38 ^f			
8.58 \pm 30		8.58 ^f			
8.707 \pm 20					
9.03 \pm 20		9.07 \pm 30	95 \pm 20		
9.175 \pm 20					
9.43 \pm 20 ^e	85 \pm 30	9.44 \pm 30			
9.585 \pm 20	60 \pm 30	9.626 \pm 20	34 \pm 10		
9.758 \pm 20					
(9.83)					
10.00 \pm 40					
10.11 \pm 40					
10.21 \pm 30	50 \pm 20	10.227 \pm 20	< 25		

Table 12.3 from (1990AJ01): Levels of ^{12}B from $^9\text{Be}(^7\text{Li}, \alpha)$ and $^{10}\text{B}(t, p)$ ^a
(continued)

E_x ^b (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ ^b (keV)	E_x ^c (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ ^c (keV)	L ^c	J^π ^c
10.435 \pm 20	75 \pm 40				
10.58 \pm 20	50 \pm 30	10.61 \pm 30	< 30		
10.887 \pm 20	40 \pm 20	10.91 \pm 20	27 \pm 10		
(11.08)					
11.31 \pm 30	130 \pm 60				
11.59 \pm 20	75 \pm 25				
12.33 \pm 30	100 \pm 30	12.36 \pm 30			
12.77 \pm 50	85 \pm 40				
13.33 \pm 30	50 \pm 20	(13.4 \pm 100)	broad		
15.5					

^a For references see [Tables 12.3](#) and [12.4](#) in (1980AJ01).

^b $^9\text{Be}(^7\text{Li}, \alpha)^{12}\text{B}$.

^c $^{10}\text{B}(t, p)^{12}\text{B}$.

^d $\theta_n^2 = 0.46 \pm 0.06, 0.08 \pm 0.03$ and 0.10 ± 0.02 for $^{12}\text{B}^*(3.76, 5.00, 5.61)$.

^e Probably unresolved.

^f Observed but E_x not determined.

^g Not observed at $E_t = 23$ MeV.