

Table 10.19 from (1979AJ01): ^{10}B levels from $^{10}\text{B}(\text{p}, \text{p}')$, $^{10}\text{B}(\text{d}, \text{d}')$ and $^{10}\text{B}(^3\text{He}, ^3\text{He}')$

E_x (MeV \pm keV)			$\Gamma_{\text{c.m.}}$ (keV)	L	β_L	β_L
(1953BO70) ^a	(1974KA15) ^b	(1962AR02, 1964AR04) ^a	(1964AR04)	(1968SQ01) ^h (1976DE15) ⁱ	(1968SQ01) ^h	(1976DE15) ⁱ
0	0					
0.717 ± 5 ^b	0.7183 ± 0.4			2	0.37 ± 0.04	0.67 ± 0.05
1.739 ± 5 ^c	$\equiv 1740.2$			(3)	(0.69 ± 0.09)	
2.152 ± 5	2.1541 ± 0.5			2	0.36 ± 0.04	0.49 ± 0.04
3.583 ± 5	3.5870 ± 0.5			2	0.36 ± 0.04	0.45 ± 0.04
4.771 ± 5	4.7740 ± 0.5					
	5.1103 ± 0.6			3		0.45 ± 0.04
	5.1639 ± 0.6	5.16 ± 10 ^d				
		5.18 ± 10 ^e	110 ± 10 ^g			
	5.9195 ± 0.6	5.92 ± 10	< 5			0.28 ± 0.03
	6.0250 ± 0.6	6.03 ± 10	< 5	2		0.95 ± 0.04
	6.1272 ± 0.7	6.13 ± 10	< 5	$2^{\text{h}}, 3^{\text{i}}$	0.62 ± 0.03	0.58 ± 0.03
		6.55 ± 10	25 ± 5	3^{i}		0.59 ± 0.03 ^j
		7.00 ± 10	95 ± 10			
		7.48 ± 10 ^f	90 ± 15			

^a (p, p') and (d, d').

^b (p, p').

^c This state not observed at $E_d = 7.6$ MeV (1953BO70) nor at $E_d = 10.0$ MeV (1962AR02). Intensity of this d_2 group $\lesssim 1\%$ of d_3 group for $E_d = 6$ to 12 MeV (1974ST01).

^d Not observed in (d, d') at $E_d = 10$ MeV (1962AR02).

^e Not reported in (p, p') at $E_p = 10$ MeV (1962AR02).

^f Relative intensity in (d, d') at $E_d = 11.4$ MeV $< 2\%$.

^g (1962AR01).

^h ($^3\text{He}, ^3\text{He}'$): $E(^3\text{He}) = 32.5$ MeV.

ⁱ (p, p'): $E_p = 30.3$ MeV.

^j If $J^\pi = 2^-$; $\beta_L = 0.46 \pm 0.04$ if $J^\pi = 4^-$.