

Table 12.3 from (1959AJ76): ^{12}B levels from $^{11}\text{B}(\text{d}, \text{p})^{12}\text{B}$

$^{12}\text{B}^*$ (MeV) ^a	l_n	J^π	$\frac{\Lambda}{2J+1}$ ^e
0	1	1^+ ^c	3.4
0.947 ± 0.005	1	$3^+, 2^+, 1^+, (0^+)$	1.5, 2.1, 3.5, (10)
1.674 ± 0.011	0	$2^-, (1^-)$	3.5, (5.8)
2.618 ± 0.011			
2.723 ± 0.011			
3.383 ± 0.009	1	$3^+, 2^+, 1^+, (0^+)$	1.6, 2.2, 3.7, (11)
3.76 ^b			
4.53 ^b	2	3^- ^d	3.8

^a (1950BU1A, 1953EL12).

^b (1953HO48)

^c From $^{12}\text{B}(\beta^-)^{12}\text{C}$.

^d From $^{11}\text{B}(\text{n}, \text{n})^{11}\text{B}$.

^e Neutron capture probability; proportional to reduced width; values greater than 4 are regarded as improbable (1953HO48).