

Table 12.4 from (1985AJ01): Resonances in $^{11}\text{B}(n, n)^{11}\text{B}$ ^a

E_n (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	$^{12}\text{B}^*$ (MeV)	l ^{a,e}	J^π ^{a,e}
0.0208 ± 0.5 ^{b,d}	$\ll 1.4$	3.3883 ^f	2	3^-
0.43 ± 10 ^{c,d}	37 ± 5	3.763	1	2^+
1.027 ± 11 ^{c,d}	9 ± 4	4.310	0	1^-
1.19 ^e	broad	4.46	0, 2	2^-
1.28 ± 20 ^{c,e}	130 ± 20	4.54	2	4^-
1.78 ± 20 ^{c,e}	60 ± 20	5.00	1	1^+
2.45 ± 20 ^e	110 ± 40	5.61	1	3^+
2.58 ± 20 ^e	55 ± 20	5.74	2	3^-
2.9 ^e	broad	6.0	0, 2	1^-
3.5 ^e	140	6.6	1	1^+
4.03 ^e	broad	7.06	0, 2	1^-
4.55	≤ 14	7.54	> 3	
4.70 ^e	45	7.67	0, 2	2^-
4.80 ^e	90	7.77	0, 2	1^-
4.93 ^e		(7.88)	0, 2	1^-
5.19 ^e		(8.12)	2	3^-
5.31 ^e	65	8.23	2	3^-
5.59 ^e	75	8.49	2	3^-
5.82 ^e		(8.70)	2	3^-
6.18 ^e	120	9.03	0, 2	1^-
6.25 ^e		(9.09)	0, 2	2^-
6.78 ^e	34 ± 5	9.578 ^g	2	3^-
7.18	100	9.94	> 0	
7.82	65	10.53	> 2	
9.72	120	12.27	> 2	

^a For references see [Table 12.5 in \(1980AJ01\)](#).

^b Also observed in $^{11}\text{B}(n, \gamma)$: $\Gamma_\gamma = 25 \pm 8$ meV, $\Gamma_n = 3.1 \pm 0.6$ eV.

^c Also observed in $^{11}\text{B}(n, \gamma)$: see [\(1968AJ01\)](#).

^d See also [\(1983KO03\)](#).

^e From R -matrix analysis [\(1983KO03\)](#). See also [\(1980WH01\)](#) and the earlier work displayed in [\(1980AJ01\)](#).

^f ± 1.6 keV.

^g ± 5 keV.