

Table 12.5 from (1968AJ02): Resonances in  $^{11}\text{B}(n, n)^{11}\text{B}$  <sup>a</sup>

$E_n$ (MeV $\pm$ keV)	$\Gamma_r$ (lab) (keV)	$^{12}\text{B}^*$ (MeV)	$l$ <sup>b</sup>	$\theta_n^2$ <sup>c</sup>	$J^\pi$
0.02 <sup>d</sup>	< 1.5	3.387			
0.43 $\pm$ 10 <sup>e</sup>	40 $\pm$ 5	3.76	1	0.036	2 <sup>+</sup> <sup>h</sup>
1.027 $\pm$ 11 <sup>f</sup>	10 $\pm$ 4	4.310	0		(1) <sup>-</sup>
1.28 $\pm$ 20 <sup>e</sup>	140 $\pm$ 20	4.54	2	0.28	3 <sup>-</sup> <sup>h</sup>
1.78 $\pm$ 20 <sup>e</sup>	65 $\pm$ 20	5.00	1	0.012	1 <sup>c,i</sup>
			(2)	0.056	
2.45 $\pm$ 20 <sup>e</sup>	120 $\pm$ 40	5.61	1	0.017	2 <sup>c</sup>
			2	0.053	
2.58 $\pm$ 20 <sup>e</sup>	60 $\pm$ 20	5.73	1	0.008	3 <sup>c</sup>
			2	0.025	
3.5 <sup>g</sup>	140 (c.m.)	6.6			> 0
(3.70)	65 (c.m.)	(6.76)			$\geq$ 0
4.55	$\leq$ 14 (c.m.)	7.54			> 3
(4.68)	45 (c.m.)	(7.66)			> 0
4.80	90 (c.m.)	7.77			> 0
(5.01)	27 (c.m.)	(7.96)			> 0
5.31	65 (c.m.)	8.23			> 1
5.49	110 (c.m.)	8.40			
5.59	75 (c.m.)	8.49			> 1
6.18	120 (c.m.)	9.03			> 1
7.18	100 (c.m.)	9.95			> 0
7.82	65 (c.m.)	10.53			> 2
9.72	120 (c.m.)	12.27			> 2

<sup>a</sup> (1964ST25).

<sup>b</sup> (1951BO45, 1955WI25, 1964ST25).

<sup>c</sup> (1951BO45);  $R = 4.5$  fm.

<sup>d</sup> (1964MO07, 1966MO09).

<sup>e</sup> (1951BO45, 1958HU18, 1964ST25).

<sup>f</sup> (1962IM01).

<sup>g</sup> This resonance and all the higher energy ones have been observed by (1961FO07).

<sup>h</sup> (1955WI25, 1966MO09).

<sup>i</sup> The parity appears to be even: see (1967LA1N).