Table 12.13 from (1980AJ01): Anomalies and maxima in yields of ^{11}B(p, n)^{11}C and ^{11}B(p, p)^{11}B

Peak number	A		(1965OV01) [a,b]		(1955BA22) [c]		(1965SE06) [e]		B			J^π	E_x (MeV)
	E_p (MeV)	Γ_{lab} (keV)	E_p (MeV)	Res. in group(s)	E_p (MeV)	Γ_{lab} (keV)	E_p (MeV)	Γ_{lab} (keV)	E_p (MeV)	Γ_{lab} (keV)	Res. in group(s)		
1									0.67	330	p_0	2^-	16.57
2									1.4		p_0	1^-	17.23
3							1.98 [d]		2.08 ± 0.02 [g]	86 ± 20	p_0	0^+	17.77
4					2.664	48	2.66 [c,d]	46	2.6 [h]		p_0	[h]	18.40
5	3.16	100	3.16 [f]		3.15	100	3.15 [c,d]	100	3.12 [k]	110 ± 10	p_0		18.84
6	3.66	500	3.58 [f]		3.4	500	3.5 [c]	broad	[j]		p_0	2^-	19.3
7					3.78	50			3.85	400 ± 55	p_0	2^-	19.48
8	4.05	200	4.10	n_0					4.10 [k]	250 ± 35	p_0	1^+	19.71
9					4.28	100			4.35	400	p_1		19.91
10	4.70	150	4.68 [f]	n_0	4.68	200			4.7 [l]	(350)	p_0, p_1		20.24
11	5.065	180	5.07	n_0	5.13	200			5.08	365	p_0, p_1		20.60
12	5.48	300	5.50	n_0									20.98
13	6.04	560	6.01	n_0, n_1					6.05	600	p_0, p_1	≥ 4	21.48
14			6.4	n_0									21.8
15	7.29	360	7.3	n_0, n_1					7.5	200	p_0, p_3		22.63
16	7.74	65	7.73	n_0, n_1					7.8 [m]	650	$p_0 \rightarrow p_3$		23.05
17	8.25	380	8.25	n_0, n_1									(23.51)
18	(8.30)	(≤ 50)											(23.56)
19	8.65	180	8.6	n_0, n_2									23.88
20	9.0 [i]												24.2
21	9.25	110	9.25	n_0, n_2					[m]		p_0, p_1		24.43
22	9.79	1000	9.79	n_0, n_1									24.92

Table 12.13 from (1980AJ01): Anomalies and maxima in yields of ^{11}B(p, n)^{11}C and ^{11}B(p, p)^{11}B (continued)

Peak number	A		(1965OV01) [a,b]		(1955BA22) [c]		(1965SE06) [e]		B				
	E_p (MeV)	Γ_{lab} (keV)	E_p (MeV)	Res. in group(s)	E_p (MeV)	Γ_{lab} (keV)	E_p (MeV)	Γ_{lab} (keV)	E_p (MeV)	Γ_{lab} (keV)	Res. in group(s)	J^π	E_x (MeV)
23	10.14	180	10.1	n_0, n_2									25.24
24	10.91	440	10.9	n_0									25.95
25	11.88	300											26.84

A: See (1968AJ02).

B: (1957DE11, 1975BO1H [prelim.], 1977MA37, 1977RI01).

[a] Widths ≈ 200 keV, except $E_p = 6.4$ and ≥ 9.25 MeV which are wider.

[b] (p, n).

[c] (p, p′).

[d] (p, p).

[e] See also Table 12.11.

[f] (p, n) (1978VA12).

[g] (1977MA37) [polarized protons]: a broad 0^+ resonance at $E_p = 2.39$ MeV is also suggested.

[h] (1977MA37) suggest two resonances at $E_p = 2.620$ and 2.660 MeV (± 10 keV) [$J^\pi = 3^-$ ($T = 1$) and 0^-], $\Gamma = 290 \pm 20$ and 30 ± 5 keV, respectively. In addition, a resonance at $E_p = 2.80 \pm 0.01$ MeV [$J^\pi = 3^+$], $\Gamma = 300 \pm 50$ keV, is also reported.

[i] Also resonance in $K_y^y(0°)$ (1976LI08).

[j] (1977RI01) suggest two resonances at $E_p = 3.30$ and 3.50 MeV with $\Gamma_{c.m.} = 700 \pm 200$ and 750 ± 200 keV and $J^\pi = 4^-$ and 1^- respectively. See also (1975BO1H).

[k] See also (1975BO1H).

[l] (1975BO1H; prelim.) also report structures in p_0 at $E_p = 4.95$ and 5.85 MeV, both $\Gamma = 0.3$ MeV, in p_0, p_2 and p_3 at $E_p = 6.7$ MeV, $\Gamma = 0.5$ MeV and in p_2 and p_3 at 7.0 MeV.

[m] See (1975VA04).