

Table 11.23 from (1975AJ02): Resonances in $^{10}\text{B} + \text{p}$ ^a

E_{res} (MeV \pm keV)	E_x (MeV)	J^π	Γ_{lab} (keV)	Decay	Refs.
1.145 ± 5	9.732	$(\frac{5}{2}^+)$	500 ± 50	$\gamma, \text{p}_0, \alpha_0$	(1951BR10, 1956CH20, 1956CR07, 1957HU79, 1967PA19)
1.533 ± 5	10.084	$\frac{7}{2}^+$	≈ 250	$\text{p}_0, \alpha_0, \alpha_1$	(1951BR10, 1956AL23, 1956CH20, 1956CR07, 1957HU79, 1962OV02)
2.189 ± 5	10.680	$\frac{9}{2}^+$	220 ± 30	$\text{p}_0, \alpha_0, \alpha_1$	(1962OV02, 1964BE31, 1964JE01)
2.320 ± 5	(10.799)			p_0, α_1	(1964BE31)
2.574 ± 5	(11.030)			p_0, α_1	(1964BE31)
3.03 ± 10	11.44		400	$\text{p}_0, \alpha_0, \alpha_1$	(1962OP03, 1964JE01)
3.592 ± 7	11.954			p_0, α_1	(1964BE31, 1970BO17)
3.9 ± 100	12.20	$T = \frac{3}{2}$		p_2	(1971WA21)
4.1 ± 100	12.45	$T = \frac{3}{2}$	440 ± 100	p_2	(1971WA21)
$4.1^{\text{b,c}}$	12.4	$\pi = -$	1 – 2 MeV	γ_0	(1970KU09)
4.36 ± 20	12.65	$(\frac{7}{2}^+)$	400	$\text{p}, \alpha_0, \alpha_1, {}^3\text{He}$	(1962OP03, 1964JE01, 1966SE02, 1970BO17)
(4.75)	(13.01)			γ_0	(1970KU09)
5.2	13.4		1200 ± 100	$\text{p}_0, \alpha_0, \alpha_1$	(1962OP03, 1964JE01, 1966SE02, 1969WA11, 1970BO17)
5.73 ± 20	13.90		≈ 500	p	(1962OP03, 1969WA23, 1970BO17)
5.92 ± 20	14.07		broad	n, p_0	(1963EA01, 1964JE01, 1966SE02, 1970BO17)
6.68 ± 40	14.76		≈ 500	$\text{n}, \text{p}, {}^3\text{He}$	(1963EA01, 1964JE01, 1966SE02, 1969WA23, 1970BO17)
$7.33 \pm 50^{\text{c}}$	15.35	$\pi = -$	broad	$\gamma_0, \text{n}, \text{p}$	(1963EA01, 1966SE02, 1969WA23, 1970KU09)
7.60 ± 50	15.59		≈ 500	n, p	(1963EA01, 1969WA23, 1970BO17)
8.8^{c}	16.7	$\pi = -$	900 ± 100	γ_0	(1970BO17, 1970KU09)
(10.5)	(18.2)			γ_0	(1970KU09)

^a See also Table 11.24.^b $\Gamma_{\text{p}}\Gamma_{\gamma}/\Gamma \approx 200$ eV (1970KU09).^c Probably part of the E1 giant resonance (1970KU09).