

Table 14.14 from (1976AJ04): Resonances in $^{10}\text{B} + \alpha$ ^a

E_α (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	Outgoing particle ^b (x)	Γ_x ^c (keV)	$^{14}\text{N}^*$ (MeV)	J^π	Refs.
0.95		p_0		12.29		(1953MA42)
1.13 ± 5	30 ± 5	$p_0 \rightarrow p_3, d$		12.42	4^-	A
1.20 ± 5	≈ 20	$p_0, (p_2), p_3$		12.47		(1953MA42, 1969GA01)
1.23 ± 5	35 ± 5	p_0, p_3		12.49		(1953SH64, 1969GA01)
1.40 ± 5	46 ± 4	$p_1, p_2, (p_3)$		12.61	3^+	(1953SH64, 1969GA01)
1.507 ± 5	18 ± 5	n_0	4.3	12.690	3^-	A, (1973VA25)
		p_0	0.62			
		p_1	0.17			
		p_2	0.70			
		p_3	5.6			
		d	0.93			
		α	1.7			
1.645 ± 5	16 ± 3	n_0	≤ 0.6	12.789	4^+	A, (1973VA25)
		p_0	0.18			
		p_1	0.085			
		p_2	0.44			
		p_3	9.6			
		d	2.0			
		α	1.0			
1.68 ± 5	5 ± 2	p_1, p_2, p_3, d		12.814	4^-	A
1.83 ± 5	22 ± 4	$p_0 \rightarrow p_3, d$		12.921	4^+	A
2.174 ± 5	15 ± 5	$n_0, p_0 \rightarrow p_3, d, \alpha_1$		13.166	1^+	A, (1973VA25, 1975WI04)

Table 14.14 from (1976AJ04): Resonances in $^{10}\text{B} + \alpha$ ^a (continued)

E_α (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	Outgoing particle ^b (x)	Γ_x ^c (keV)	$^{14}\text{N}^*$ (MeV)	J^π	Refs.
2.21 \pm 10	65 \pm 10	α_0		13.192	3 ⁺	(1973MO15)
2.281 \pm 10	92 \pm 5	$n_0, p_0 \rightarrow p_3$		13.243	2 ⁻	A, (1973VA25, 1975WI04)
2.86 \pm 5	\approx 90	n_0, p_1, p_2, α_1		13.656		(1969GA01, 1973VA25)
2.94 \pm 5	105 \pm 25	$n_0, p_0 \rightarrow p_3, d$		13.714	2, 3 ⁺	A, (1973VA25, 1975WI04)
2.95 \pm 50	180 \pm 20	$n_0, p_0, (p_2), \alpha_0$		13.72	1 ⁽⁺⁾	(1973MO15, 1973VA25, 1975WI04) ^d
2.95 \pm 20	110	p_1, p_3		13.72		(1969GA01, 1975WI04) ^d
3.40 \pm 30	100	n_0, p_1		14.04		(1973VA25, 1975WI04)
3.56 \pm 30	230	$n_0, (p_0), p_3$		14.16		(1973VA25, 1975WI04)
3.69 \pm 50	420 \pm 100	$p\gamma, \alpha_0$		14.25	3 ⁺	(1956BO61, 1959GI47, 1973MO15)
3.76 \pm 20	150	p_1		14.30		(1975WI04)
3.98 \pm 20	100	n_0, p_0, p_2		14.56		(1956BO61, 1973VA25, 1975WI04)
4.16 \pm 30	50	n_0, p_0, p_3		14.59		(1973VA25, 1975WI04)
4.26 \pm 10	100 \pm 20	α_0		14.66	2 ⁻	(1973MO15)
4.36 \pm 30	125	$n_0, p_0, p_1, (p_2)$		14.73		(1973VA25, 1975WI04)
4.54 \pm 30	140	n_0, p_2, p_3		14.86		(1956BO61, 1959GI47, 1973VA25, 1975WI04)
4.633 \pm 30	43 \pm 8	n_0, n_{2+3}, p_0		14.923		(1973VA25, 1975WI04)
4.77 \pm 20	\approx 60	n_0, n_1		15.02		(1973VA25)
5.08 \pm 20	100	p_3		15.24		(1975WI04)
5.35 \pm 20	100	n_1, p_2, p_3		15.43		(1956BO61, 1975WI04)
6.44 \pm 20	125	n_0, p_0, p_2		16.21		(1975WI04)
6.70 \pm 20	150	p_2		16.40		(1975WI04)
7.42 \pm 20		p_0		16.91		(1975WI04)

Table 14.14 from (1976AJ04): Resonances in $^{10}\text{B} + \alpha$ ^a (continued)

E_α (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	Outgoing particle ^b (x)	Γ_x ^c (keV)	$^{14}\text{N}^*$ (MeV)	J^π	Refs.
7.78 ± 20	50	p ₃		17.17		(1975WI04)

A: See references quoted for this state in (1970AJ04).

^a See Table 1 in (1975WI04) for a display of the resonance data obtained both in $^{12}\text{C} + \text{d}$, $^{13}\text{C} + \text{p}$ and $^{10}\text{B} + \alpha$.

^b n₀, n₁, n₂₊₃ correspond to the g.s. and $^{13}\text{N}^*(2.37, 3.51 + 3.55)$; p₀, p₁, p₂, p₃ correspond to the g.s. and $^{13}\text{C}^*(3.09, 3.68, 3.85)$ and the corresponding γ -rays; α_1 corresponds to the transition to $^{10}\text{B}^*(0.7)$.

^c For θ_x^2 see Table 14.8 in (1970AJ04).

^d See reference ^f to Table 1 of (1975WI04).