Table 14.13 from (1981AJ01): Resonances in $^{10}\mathrm{B} + \alpha$ [a]

E_α (MeV $\pm$ keV)	$\Gamma_{\mathrm{c.m.}}$ (keV)	Outgoing particle [b] (x)	Γ_x [c] (keV)	^{14}N* (MeV)	J^π	Refs.
0.95		p_0		12.29		A
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		A
1.23 ± 5	35 ± 5	p_0, p_3		12.49		A
1.40 ± 5	46 ± 4	p_1, p_2, (p_3)		12.61	3^+	A
1.507 ± 5	18 ± 5	n_0	4.3	12.690	3^-	A
		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
		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, α_1		13.166	1^+	A, (1975WI04)
2.21 ± 10	65 ± 10	α_0		13.192	3^+	A
2.281 ± 10	92 ± 5	n_0, $p_0 \rightarrow p_3$		13.243	2^-	A, (1975WI04)
2.86 ± 5	≈ 90	n_0, p_1, p_2, α_1		13.656		A
2.94 ± 5	105 ± 25	n_0, $p_0 \rightarrow p_3$, d		13.714	2, 3^+	A, (1975WI04)
2.95 ± 50	180 ± 20	n_0, p_0, (p_2), α_0		13.72	$1^{(+)}$	A, (1975WI04) [d]

Table 14.13 from (1981AJ01): Resonances in $^{10}B + \alpha$ [a] (continued)

E_α (MeV ± keV)	$\Gamma_{c.m.}$ (keV)	Outgoing particle [b] (x)	Γ_x [c] (keV)	$^{14}N^*$ (MeV)	J^π	Refs.
2.95 ± 20	110	p_1, p_3		13.72		A, (1975WI04) [d]
3.40 ± 30	100	n_0, p_1		14.04		A, (1975WI04)
3.56 ± 30	230	n_0, (p_0), p_3		14.16		A, (1975WI04)
3.69 ± 50	420 ± 100	p, α_0		14.25	3^+	A
3.76 ± 20	150	p_1		14.30		(1975WI04)
3.98 ± 20	100	n_0, p_0, p_2		14.56		A, (1975WI04)
4.16 ± 30	50	n_0, p_0, p_3		14.59		A, (1975WI04)
4.26 ± 10	100 ± 20	α_0		14.66	2^-	A
4.36 ± 30	125	n_0, p_0, p_1, (p_2)		14.73		A, (1975WI04)
4.54 ± 30	140	n_0, p_2, p_3		14.86		A, (1975WI04)
4.633 ± 30	43 ± 8	n_0, n_{2+3}, p_0		14.923		A, (1975WI04)
4.77 ± 20 [e]	≈ 60	n_0, n_1		15.02		A
5.08 ± 20	100	p_3		15.24		(1975WI04)
5.35 ± 20	100	n_1, p_2, p_3		15.43		A, (1975WI04)
6.44 ± 20	125	n_0, p_0, p_2		16.21		(1975WI04)
6.70 ± 20	150	p_2		16.40		(1975WI04)
7.42 ± 20		p_0		16.91		(1975WI04)
7.78 ± 20	50	p_3		17.17		(1975WI04)

A: See references quoted for this state in (1970AJ04, 1976AJ04).

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

[b] n_0, n_1, n_{2+3} correspond to the g.s. and ^{13}N*(2.37, 3.51 + 3.55); p_0, p_1, p_2, p_3 correspond to the g.s. and ^{13}C*(3.09, 3.68, 3.85) and the corresponding γ-rays; α_1 corresponds to the transition to ^{10}B*(0.7).

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

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

[e] See text of reaction 6.