Table 15.7 from (1981AJ01): Resonances in $^{11}\mathrm{B} + \alpha$

E_α (MeV $\pm$ keV)	$\Gamma_{\mathrm{c.m.}}$ (keV)	Particle out	J^π	E_x (MeV)	Refs.
0.60		n		11.43	(1954BE08) [a]
1.03		n		11.75	(1954BE08)
1.18		n		11.86	(1954BE08)
1.30		n		11.94	(1954BE08)
1.51		n, p	$(\frac{5}{2}^+)$	12.10	(1955SH46, 1976DA06)
1.58	41 ± 5	n, p	$(\frac{3}{2}^-)$	12.15	(1955SH46, 1976DA06)
2.056 ± 10	34 ± 5	n_0, p_0	$\frac{5}{2}^+$	12.499	A, (1975VA06, 1976DA06)
2.610 ± 13	56 ± 11	n_0, p_0, α	$\frac{3}{2}^-$	12.905	A, (1972RA03, 1975VA06, 1976DA06)
2.66 ± 30	81	p_0, α	$\frac{5}{2}^+$	12.94	A, (1972RA03, 1976DA06)
2.942 ± 10	7 ± 3	n_0, p_0		13.149	A, (1975VA06)
2.984 ± 10	7 ± 3	n_0, p_0		13.180	A, (1975VA06)
3.239 ± 15	16 ± 8	n_0, p, α	$\frac{3}{2}^-$	13.366	A, (1972RA03, 1975VA06)
3.31 ± 30	61	p, α	$\frac{3}{2}^+$	13.42	A, (1972RA03)
3.46 ± 30	85 ± 30	n_0, α	$\frac{3}{2}^-$	13.53	(1972RA03, 1975VA06)
3.560 ± 10	18 ± 4	n_0, p	$(\frac{5}{2}, \frac{7}{2})^-$	13.602	A, (1975VA06)
3.57 ± 30	94	α	$\frac{1}{2}^+$	13.61	(1972RA03)
3.712 ± 10	26 ± 8	n_0		13.713	A, (1975VA06)
(3.78 ± 30)	70	α	$(\frac{1}{2}^+)$	(13.76)	(1972RA03)
3.89 ± 30	≈ 70	n_1, α	$(\frac{3}{2}^+)$	13.84	(1972RA03, 1975VA06)
4.09 ± 30	≈ 100	n_1		13.99	(1975VA06)
4.232 ± 10	22 ± 6	n_0		14.094	(1975VA06)
4.24 ± 30	≈ 100	n_1, α	$\frac{3}{2}^+$	14.10	(1972OT04, 1975VA06)
4.324 ± 10	27 ± 6	n_0		14.162	A, (1975VA06)
4.43 ± 40	150	α	$\frac{5}{2}^+$	14.24	(1972OT04)
4.62 ± 40	100	α	$\frac{7}{2}^+$	14.38	(1972OT04)
4.85 ± 20	200 ± 50	n_0		14.55	(1975VA06)
4.986 ± 10	33 ± 6	n_0		14.647	(1975VA06)
5.11 ± 30	110 ± 50	n_0		14.74	(1975VA06)
5.28 ± 20	48 ± 11	n_0, α		14.86	(1972OT04, 1975VA06)
5.538 ± 10	12 ± 3	n_0		14.920	(1975VA06)
5.501 ± 10	13 ± 3	n_0		15.025	(1975VA06)
5.59 ± 20	80 ± 25	n_0, α		15.09	(1972OT04, 1975VA06)
5.860 ± 10	22 ± 6	n_0, α		15.288	(1972OT04, 1975VA06)

Table 15.7 from (1981AJ01): Resonances in $^{11}\mathrm{B} + \alpha$ (continued)

E_α (MeV $\pm$ keV)	$\Gamma_{\mathrm{c.m.}}$ (keV)	Particle out	J^π	E_x (MeV)	Refs.
5.98 ± 20	75 ± 25	n_2, (α)		15.38	(1972OT04, 1975VA06)
6.06 ± 20	≈ 100	n_0, (α)		15.43	(1972OT04, 1975VA06)
6.19 ± 20	≈ 35	n_0		15.53	(1975VA06)
6.29 ± 20	95 ± 25	n_2		15.60	(1975VA06)
(6.65 ± 40)		(α)		(15.87)	(1972OT04)
6.73 ± 20	35 ± 10	n_0, n_2		15.93	(1975VA06)
6.755 ± 15	21 ± 6	n_1		15.944	(1975VA06)
6.83 ± 20	60 ± 20	n_2		16.00	(1975VA06)
6.884 ± 15	62 ± 12	n_0, α		16.039	(1972OT04, 1975VA06)
(6.98 ± 40)		(α)		(16.11)	(1972OT04)
7.18 ± 20	≈ 100	n_0, α		16.26	(1975VA06)
7.27 ± 20	≈ 30	n_0		16.32	(1975VA06)
7.37 ± 20	44 ± 11	n_2		16.39	(1975VA06)
7.616 ± 15	27 ± 15	n_0, (n_2)		16.576	(1975VA06)
7.754 ± 15	60 ± 10	n_0, (n_2)		16.677	(1975VA06)

A: see references listed for this state in Table 15.5 (1970AJ04).

[a] And private communication.