

Table 15.7 from (1991AJ01): Resonances in $^{11}\text{B} + \alpha$ ^a

E_α (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	Particle out	J^π	E_x (MeV)
0.606 ^b		γ, n	$\frac{7}{2}$	11.436
01.07 ± 20 ^c		n, p		11.78
1.20 ± 10 ^c		n, p		11.87
1.32 ± 10 ^c		n, p		11.96
1.50 ± 10 ^c		n, p	$(\frac{5}{2}^+)$	12.09
1.57 ± 10 ^c	41 ± 5	n, p	$(\frac{3}{2}^-)$	12.14
2.056 ± 10	34 ± 5	n_0, p_0	$\frac{5}{2}^+$	12.499
2.610 ± 13	56 ± 11	$\text{n}_0, \text{p}_0, \alpha$	$\frac{3}{2}^-$	12.905
2.66 ± 30	81	p_0, α	$\frac{5}{2}^+$	12.94
2.942 ± 10	7 ± 3	n_0, p_0		13.149
2.984 ± 10	7 ± 3	n_0, p_0		13.180
3.239 ± 15	16 ± 8	$\text{n}_0, \text{p}, \alpha$	$\frac{3}{2}^-$	13.366
3.31 ± 30	61	p, α	$\frac{3}{2}^+$	13.42
3.46 ± 30	85 ± 30	n_0, α	$\frac{3}{2}^-$	13.53
3.560 ± 10	18 ± 4	n_0, p	$(\frac{5}{2}, \frac{7}{2})^-$	13.602
3.57 ± 30	94	α	$\frac{1}{2}^+$	13.61
3.712 ± 10	26 ± 8	n_0		13.713
(3.78 ± 30)	70	α	$(\frac{1}{2}^+)$	(13.76)
3.89 ± 30	≈ 70	n_1, α	$(\frac{3}{2}^+)$	13.84
4.09 ± 30	≈ 100	n_1		13.99
4.232 ± 10	22 ± 6	n_0		14.094
4.24 ± 30	≈ 100	n_1, α	$\frac{3}{2}^+$	14.10
4.324 ± 10	27 ± 6	n_0		14.162
4.43 ± 40	150	α	$\frac{5}{2}^+$	14.24
4.62 ± 40	100	α	$\frac{7}{2}^+$	14.38
4.85 ± 20	200 ± 50	n_0		14.55
4.986 ± 10	33 ± 6	n_0		14.647
5.11 ± 30	110 ± 50	n_0		14.74
5.28 ± 20	48 ± 11	n_0, α		14.86
5.358 ± 10	12 ± 3	n_0		14.920

Table 15.7 from (1991AJ01): Resonances in $^{11}\text{B} + \alpha$ ^a (continued)

E_α (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	Particle out	J^π	E_x (MeV)
5.501 ± 10	13 ± 3	n_0		15.025
5.59 ± 20	80 ± 25	n_0, α		15.09
5.860 ± 10	22 ± 6	n_0, α		15.288
5.98 ± 20	75 ± 25	$n_2, (\alpha)$		15.38
6.06 ± 20	≈ 100	$n_0, (\alpha)$		15.43
6.19 ± 20	≈ 35	n_0		15.53
6.29 ± 20	95 ± 25	n_2		15.60
(6.65 ± 40)		(α)		(15.87)
6.73 ± 20	35 ± 10	n_0, n_2		15.93
6.755 ± 15	21 ± 6	n_1		15.944
6.83 ± 20	60 ± 20	n_2		16.00
6.884 ± 15	62 ± 12	n_0, α		16.039
(6.98 ± 40)		(α)		(16.11)
7.18 ± 20	≈ 100	n_0, α		16.26
7.27 ± 20	≈ 30	n_0		16.32
7.37 ± 20	44 ± 11	n_2		16.39
7.616 ± 15	27 ± 15	$n_0, (n_2)$		16.576
7.754 ± 15	60 ± 10	$n_0, (n_2)$		16.677

^a For references see [Table 15.7 in \(1981AJ01\)](#).

^b (1988WAZY; prelim.): $\Gamma < 0.2$ keV.

^c (1987TU01); $J^\pi = \frac{3}{2}^{(-)}, \frac{3}{2}^-, \frac{1}{2}^-, \frac{5}{2}^+, \frac{3}{2}^-$ [see also for partial widths].