

Table 11.11 from (1959AJ76): Levels of ^{11}C from $^{10}\text{B}(\text{d}, \text{n})^{11}\text{C}$

E_x (MeV \pm keV)	l_p	J^π	References
0	1	$\frac{3}{2}^- \rightarrow \frac{9}{2}^-$ ^a	(1954PA29, 1956CE1B, 1956CE73, 1956MA83)
1.94 \pm 50	1	$\frac{3}{2}^- \rightarrow \frac{9}{2}^-$ ^{a,b}	(1952JO10, 1954PA29, 1956CE1B, 1956CE73, 1956GR54, 1956MA83)
4.26 \pm 30	1	$\frac{3}{2}^- \rightarrow \frac{9}{2}^-$	(1952JO10, 1954PA29, 1956CE1B, 1956CE73, 1956GR54, 1958MC1E, 1959NE1A)
4.75 \pm 30	1	$\frac{3}{2}^- \rightarrow \frac{9}{2}^-$	(1952JO10, 1955SA1B, 1956CE1B, 1956CE73, 1956GR54, 1959NE1A)
6.50 \pm 20	c	$\frac{3}{2}^- \rightarrow \frac{9}{2}^-$	(1952JO10, 1955BE81, 1955SA1B, 1956CE1B, 1956CE73, 1958MC1E, 1959NE1A)
6.77 \pm 40	c		(1952JO10, 1956CE1B, 1956CE73)
7.40 \pm 40			(1952JO10, 1956CE1B, 1956CE73)
8.108 \pm 8			(1952JO10, 1955MA76, 1956CE1B, 1956CE73)
8.431 \pm 10	d		(1952JO10, 1955MA76, 1956CE1B, 1956CE73)
8.661 \pm 10	d		(1952JO10, 1955MA76, 1956CE1B, 1956CE73)
8.97 \pm 20			(1952JO10, 1956CE1B, 1956CE73, 1957GR50)
(9.13 \pm 20)			(1952JO10)
(9.28 \pm 30)			(1956CE1B, 1956CE73)
9.69 \pm 30			(1956CE1B, 1956CE73)
10.09 \pm 20			(1956CE1B, 1956CE73, 1957GR50)
(10.69 \pm 20)			(1956CE1B, 1956CE73, 1957GR50)
10.89 \pm 20 ^e			(1956CE1B, 1956CE73, 1957GR50)

^a $(2J + 1)\gamma^2 = 2.1 \times 10^{-19}$ and 0.8×10^{-19} erg \cdot cm for $^{11}\text{B}^*(0, 2.1)$, respectively (1956MA83): $\theta_n^2 = 0.02$ and 0.016 .

^b J probably $\frac{1}{2}^-$: see $^{10}\text{B}(\text{d}, \text{p})^{11}\text{B}$.

^c $l_p = 1$ for unresolved groups at $E_x \approx 6.6$ MeV (1956MA83).

^d $l_p = 1$ for unresolved groups at $E_x \approx 8.5$ MeV (1956MA83). (1957GR50) reports $l_n = 0$.

^e Neutron groups are also reported to $E_x = (11.26 \pm 0.02)$ and (11.52 ± 0.02) MeV (1956CE1B, 1956CE73).