Table 11.25 from (1975AJ02): Energy levels of ^{11}C from ^{10}B(d, n)^{11}C and ^{10}B(^{3}He, d)^{11}C

E_x (MeV ± keV)	J^π	l [f]	l [g]	$S_{d,n}$ [g]	$S_{^3He,d}$ [g]	l [i]	$S_{^3He,d}$ [i]
0	$\frac{3}{2}^-$	1	1	1.12	0.88	1	1.09
2.0006 ± 0.9 [a]	$\frac{1}{2}^-$	(1)	(1)	(0.18)	(0.036)		
			(3)		≤ 0.09	(3)	< 0.40
4.322 ± 10 [b]	$\frac{5}{2}^-$	1	1	0.27	0.20	1	0.17, 0.19
4.808 ± 10 [b]	$\frac{3}{2}^-$	1	1	< 0.02		(1)	< 0.08
						(3)	< 0.35
6.345 ± 10 [b]	$\frac{1}{2}^+$		2		0.07	2	0.08
6.476 ± 10 [b]	$\frac{7}{2}^-$	1	1	0.86	0.56	1	0.73, 0.79
6.903 ± 10 [b]	$\frac{5}{2}^+$	(1)				2	0.06
						0	< 0.04
7.498 ± 10 [b]	$\frac{3}{2}^+$					2	0.08
8.107 ± 10 [b]	$\frac{3}{2}^-$ [k]					1	0.07
8.425 ± 8 [c]	$\frac{5}{2}^-$	1	1	0.65	0.46	1	0.73, 0.79
8.655 ± 8 [c, d]	$\frac{5}{2}^+$	0	0	<u>0.84</u>	0.45		
			2	0.8	<u>0.32</u>		
	$\frac{7}{2}^+$ [j]		0	<u>0.63</u>	0.33	2	0.41
			2	0.6	<u>0.24</u>	0	< 0.34
8.701 ± 20 [d]	$\frac{5}{2}^+$ [j]	(0)	0	<u>0.40</u>	0.14	0	< 0.8
			2	≤ 0.2	0.13		
	$\frac{7}{2}^+$		0	<u>0.30</u>	0.11		
			2	≤ 0.15	0.10		
10.08 [h]							
10.68 [d, e]		(0, 2)					

[a] (^{3}He, d): (1970BR23).
[b] (^{3}He, d): (1961HI08).
[c] (d, n): neutron threshold measurements (1955MA76); based on Q_m.
[d] (d, n): observed by time-of-flight technique (1963OV02).
[e] $\Gamma \approx 200$ keV (1963OV02).
[f] From (d, n) work summarized in Table 11.20 of (1968AJ02).
[g] From (1970BO34): $S_{d,n}$ obtained at $E_d = 5.8$ MeV, $S_{^3He,d}$ obtained at $E(^3He) = 11.0$ MeV [both ±30%]. When $S_{d,n}$ and $S_{^3He,d}$ differ appreciably, the more reliable value is underlined.
[h] See (1971CO07).
[i] From $E(^3He) = 21$ MeV work of (1971CO07); when two values are shown for $S_{^3He,d}$, they are in order of descending j.
[j] Value determined by (1973FO02).
[k] See (1970FO05).