

Table 15.1 from (1981AJ01): Energy levels of ^{15}C

E_x (MeV \pm keV)	$J^\pi; T$	τ or $\Gamma_{\text{c.m.}}$ (keV)	Decay	Reactions
g.s.	$\frac{1}{2}^+; \frac{3}{2}$	$\tau_{1/2} = 2.449 \pm 0.005$ sec	β^-	1, 2, 3, 6
0.7400 ± 1.5	$\frac{5}{2}^+; \frac{3}{2}$	$\tau_{\text{m}} = 3.76 \pm 0.10$ nsec	γ	2, 4, 6
		$g = -0.703 \pm 0.012$		
3.105 ± 5	$\frac{1}{2}^-; \frac{3}{2}$	$\Gamma_{\text{c.m.}} \leq 40$		2, 6
4.221 ± 3	$(\frac{7}{2}^+; \frac{5}{2}^-)$	< 14		2, 6
(4.55 ± 30)				2
5.833 ± 20	$\leq \frac{3}{2}$			2
5.858 ± 20	$\leq \frac{1}{2}$			2
6.370 ± 15	$(\frac{5}{2}, \frac{7}{2}^+, \frac{9}{2}^+)$	< 20		2, 6
6.429 ± 7	$(\frac{3}{2} \rightarrow \frac{7}{2})$	≈ 50		2, 6
6.461 ± 20	$(\frac{9}{2}^-, \frac{11}{2})$	< 14		2, 6
6.540 ± 5	^a	< 14		2, 6
6.639 ± 15	$(\frac{3}{2})$	20 ± 10		2
6.845 ± 5	$(\frac{13}{2}, \frac{11}{2})^+$	< 14		2, 6
6.884 ± 5	$(\frac{9}{2})^{\text{a}}$	< 20		2, 6
7.098 ± 6	$(\frac{3}{2})$	< 15		2, 6
7.352 ± 6	$(\frac{9}{2}, \frac{11}{2})$	20 ± 10		2, 4, 6
7.414 ± 20				2
$7.75 \pm 30^{\text{b}}$				2, 6
8.01 ± 30				2
$8.11 \pm 10^{\text{b}}$				2, 6
8.47 ± 15	$(\frac{9}{2} \rightarrow \frac{13}{2})$	40 ± 15		2, 6
8.559 ± 15	$(\frac{7}{2} \rightarrow \frac{13}{2})$	40 ± 15		2
9.00 ± 30				2
(9.73 ± 30)				2
9.789 ± 20	$(\frac{9}{2} \rightarrow \frac{15}{2})$	20 ± 15		2
10.248 ± 20	$(\frac{5}{2} \rightarrow \frac{9}{2})$	20 ± 15		2
11.015 ± 25				2
11.123 ± 20	$(\frac{11}{2} \rightarrow \frac{19}{2})$	30 ± 20		2
(11.68 ± 30)				2
11.825 ± 20	$\geq \frac{13}{2}$	70 ± 30		2

^a See Table 15.2.

^b Broad or unresolved states.