

Table 10.31 from (2004TI06): Energy levels of ^{10}C

E_x (MeV \pm keV)	$J^\pi; T$	τ or Γ_{cm} (keV)	Decay	Reactions
g.s.	$0^+; 1$	$\tau_{1/2} = 19.290 \pm 0.012$ sec	β^+	1 , 2 , 3 , 6 , 8 , 9 , 11 , 12
3.3536 ± 0.7	2^+	$\tau_m = 155 \pm 25$ fsec	γ	2 , 4 , 6 , 8 , 9 , 11 , 12
5.22 ± 40	^a	$\Gamma = 225 \pm 45$ keV		6 , 8 , 9 , 11
5.38 ± 70	^a	300 ± 60		6 , 8 , 9 , 11
6.580 ± 20	(2^+)	190 ± 35		6 , 8 , 9 , 11
≈ 9				8
≈ 10				8
≈ 16.5	$(2^+)^{\text{b}}$			8
^c				

^a One of these two states is presumably a 2^+ state.

^b Presumed analog of $^{10}\text{B}^*(18.80)$ ([1993WA06](#)).

^c See [reaction 8](#) for possible evidence of other states.