

Table 11.8 from (1959AJ76): Energy levels of  $^{11}\text{C}$

$E_x$ (MeV $\pm$ keV)	$J^\pi$	$\tau$ (min) or $\Gamma$ (keV)	Decay	Reactions
0	$(\frac{3}{2}^-)$	$\tau_{1/2} = 20.45 \pm 0.06$	$\beta^+$	1, 2, 3, 4, 11, 14, 15, 17, 18, 19, 20, 21, 23, 24
1.99 $\pm$ 20	$(\frac{3}{2}^- \rightarrow \frac{9}{2}^-)$		$\gamma$	11, 12, 15, 21
4.26 $\pm$ 30	$(\frac{3}{2}^- \rightarrow \frac{9}{2}^-)$		$\gamma$	4, 11
4.75 $\pm$ 30	$(\frac{3}{2}^- \rightarrow \frac{9}{2}^-)$		$\gamma$	11
6.50 $\pm$ 20			$\gamma$	11
6.77 $\pm$ 40			$(\gamma)$	11
7.40 $\pm$ 40			$\gamma$	11
8.108 $\pm$ 8				11
8.431 $\pm$ 8				11
8.661 $\pm$ 8				11
8.98 $\pm$ 30				11
(9.13 $\pm$ 20)				11
(9.28 $\pm$ 30)				11
9.74 $\pm$ 10	$(\frac{3}{2}^-)$	450	$\gamma, \text{p}, \alpha$	4, 6, 10, 11
10.09 $\pm$ 10	$(\frac{7}{2}^+)$	200	$\text{p}, \alpha$	6, 10, 11
(10.69 $\pm$ 20 )				11
10.89 $\pm$ 20				11
(11.26 $\pm$ 20)				11
(11.52 $\pm$ 20)				11
12.3		$\approx 500$	$\gamma, \text{p}, \alpha$	4, 10
13.8 $\pm$ 200			$\text{p}, \alpha$	10
(15.7 $\pm$ 200)			$(\text{p}, \alpha)$	10