Table 11.17 from (1990AJ01): Gamma decay of ^{11}C levels [a]

E_i (MeV)	J^π	τ_m (fs)	E_f (MeV)	Branch
2.00	$\frac{1}{2}^-$	10.3 ± 0.7 fs	0	100
4.32 [b]	$\frac{5}{2}^-$	< 12 [h]	0	100
4.80	$\frac{3}{2}^-$	< 11 [h]	0	85.2 ± 1.4
			2.00	14.8 ± 1.4
6.34 [c]	$\frac{1}{2}^+$	< 110	0	66.5 ± 2.1
			2.00	33.5 ± 2.1
6.48 [d]	$\frac{7}{2}^-$	< 8 [h]	0	88.5 ± 1.4
			4.32	11.5 ± 1.4
6.90 [e]	$\frac{5}{2}^+$	< 69	0	91 ± 2
			4.32	4.5 ± 1
			4.80	4.5 ± 1
7.50 [f]	$\frac{3}{2}^+$	< 91	0	36 ± 2
			2.00	64 ± 2
8.10 [i]	$\frac{3}{2}^-$	0.06 ± 0.04	0	74 ± 12
			2.00	26 ± 5
8.42 [i, l]	$\frac{5}{2}^-$	0.043 ± 0.011	0	100 [j]
8.70 [k, l]	$\frac{5}{2}^+$		0	42 ± 10
			4.32	42 ± 10
			4.80	2.4 ± 1.5
			6.48	13.6 ± 4.6
9.20 [k]	$\frac{5}{2}^+$		0	74 ± 18
			4.32	6 ± 5
			6.48	20 ± 10
9.65 [g, k]	$(\frac{3}{2}^-)$		0	60 ± 5
			4.32	32 ± 10
			4.80	8 ± 4
9.78 [g, k]	$(\frac{5}{2}^-)$		0	76 ± 16
			4.32	8 ± 2
			4.80	4 ± 2
			6.48	12 ± 4
9.97 [k]	$(\frac{7}{2}^-)$		4.32	90 ± 10

Table 11.17 from (1990AJ01): Gamma decay of ^{11}C levels [a] (continued)

E_i (MeV)	J^π	τ_m (fs)	E_f (MeV)	Branch
10.08 [k]	$\frac{7}{2}^+$		6.48	10 ± 7
			4.32	67 ± 8
			6.48	13 ± 6
10.68 [k]	$\frac{9}{2}^+$		6.48	100

[a] Mostly from (1965OL03) and (1968EA03): see Table 11.20 in (1980AJ01) for other references and additional information.

[b] Cascade via ^{11}C*(2.0) is $< 2\%$.

[c] Cascade via ^{11}C*(4.32) is $< 7\%$; that through ^{11}C*(4.80) is $< 3\%$.

[d] Cascades via ^{11}C*(2.00, 4.80) are $< 2\%$.

[e] Cascade via ^{11}C*(2.00, 6.34, 6.48) are < 1, < 5, $< 5\%$, respectively. The cascade via ^{11}C*(4.80) is not reported by (1965OL03) [they suggest $< 3\%$].

[f] Cascades via ^{11}C*(4.32, 4.80, 6.34, 6.48, 6.90) are < 1, < 1, < 3, < 3 and $< 4\%$.

[g] See also (1979AN16).

[h] (1979AN16). See also (1981CA06) for τ_m of ^{11}C*(4.32, 4.80, 6.48).

[i] (1984HA13).

[j] Branching ratio to ^{11}C*(4.32) is $< 7\%$ (1984HA13).

[k] (1983WI09).

[l] $\Gamma_\gamma/\Gamma = 0.20 \pm 0.05$, < 0.06 and ≤ 0.1 for ^{11}C*(8.42, 8.66, 8.70), respectively: $\Gamma_{\rm total}({\rm c.m.}) \leq 4.5$, ≤ 4.5 and 15 ± 1 keV (1983WI09).