

Table 13.20 from (1976AJ04):
Electromagnetic transitions ^a in ¹³C from ¹³C(e, e')¹³C ^b

E_x (MeV \pm keV)	J^π	Mult.	Γ_{γ_0} (eV)	$\Gamma_{\gamma_0}/\Gamma_W$ (W.u.)
3.08 \pm 30	$\frac{1}{2}^+$	E1	0.68 \pm 0.23	0.62
3.69 \pm 20	$\frac{3}{2}^-$	E2	$(3.61 \pm 0.40) \times 10^{-3}$	3.52
		M1	0.358 \pm 0.047	0.339
6.85 \pm 60	$\frac{5}{2}^+$	M2	$(6.9 \pm 3.6) \times 10^{-5}$	0.055
7.54 \pm 20	$\frac{5}{2}^-$	M3	(1.01×10^{-5})	(35)
		E2	0.115 \pm 0.007	3.15
8.86 \pm 20 ^d	$\frac{1}{2}^-$	M1	3.36 \pm 0.47	0.230
		E0	2.09 ^c	
9.90 \pm 30	$\frac{3}{2}^-$	E2	$(6.3 \pm 1.1) \times 10^{-3}$	0.045
		M1	0.324 \pm 0.038	0.0159
11.07 \pm 20	$\frac{1}{2}^-$	M1	1.02 \pm 0.12	0.0359
		E0	2.62 ^c	
	$\frac{3}{2}^-$	E2	0.256 \pm 0.047	1.03
		M1	0.172 \pm 0.020	0.006
11.80	$\frac{3}{2}^-$	M1	3.45 \pm 0.86	0.100
15.11 \pm 20	$\frac{3}{2}^-$	E2	0.59 \pm 0.11	0.50
		M1	22.7 \pm 2.7	0.313

^a See also Tables 13.6 and 13.7.

^b (1969WI22, 1970WI04). See also (1970YA1C, 1971YA02, 1975LU1B) and (1975FA1A).

^c Monopole matrix element in fm².

^d $\Gamma = 190 \pm 35$ keV.