

Table 13.22 from (1976AJ04):
 Energy levels of ^{13}C from $^{14}\text{N}(t, \alpha)^{13}\text{C}$ (1962SI04) and from $^{15}\text{N}(p, ^3\text{He})^{13}\text{C}$ (1968FL03)

E_x in ^{13}C ^a (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	E_x in ^{13}C ^b (MeV \pm keV)	J^π
0		0	$\frac{1}{2}^-$
3.09 ^c		3.08 \pm 20	$\frac{1}{2}^+$
3.68 ^c		3.68 ^c	$\frac{3}{2}^-$
3.85 ^c			
6.86 ^c		6.87 ^c	$\frac{5}{2}^+$
7.5 ^c		7.55 \pm 20	$\frac{5}{2}^-$
7.68 ^c			
8.860 \pm 20	145 \pm 20	8.86 \pm 60	$\frac{1}{2}^-$
9.509 ^d		9.52 \pm 30	$(\frac{3}{2}^-)$
9.897 ^d			
10.736 \pm 20	< 30		
10.809 \pm 20	< 30		
11.000 \pm 20	< 30		
11.078 \pm 20	< 30	11.09 \pm 50	$(\frac{1}{2}^-)$
11.721 \pm 30	125 \pm 20	11.80 \pm 30	$(\frac{3}{2}^-)$
12.131 \pm 30	125 \pm 30		
		12.40 \pm 50	$\frac{7}{2}^-$
		15.103 \pm 45 ^e	$\frac{3}{2}^-$

^a From $^{14}\text{N}(t, \alpha)^{13}\text{C}$ (1962SI04).

^b From $^{15}\text{N}(p, ^3\text{He})^{13}\text{C}$ (1968FL03).

^c Observed but E_x not determined.

^d E_x values of other levels given in terms of E_x of these two levels. [See, however, Table 13.4.]

^e (1966CE02).