

Table 14.9 from (1991AJ01): States of ^{14}C from $^{14}\text{C}(\alpha, \alpha')$ ^a

E_x (MeV) ^b	L ^c	J^π	β^2 ^d
6.09	1	1^-	0.050
6.73	3	3^-	0.158
7.01 ^e	2	2^+	0.086
7.34		2^-	
8.32 ^e	2	2^+	0.049
9.80	3	3^-	0.068
10.44 ± 0.06 ^e	2	2^+	0.038
10.74	4	4^+	0.018
11.32 ± 0.06	2	2^+	0.014
11.62 ± 0.08		4^-	
12.58	3	3^-	0.041
12.96	(3)	(3^-)	0.033
13.58	1	1^-	0.068
14.82	3	3^-	0.079
15.66	3	3^-	0.096

^a (1984PE24): $E_\alpha = 35$ MeV.

^b Excitation energies without uncertainties are from Table 14.3, except for the last three values.

^c Microscopic DWBA analysis.

^d Collective deformations.

^e Isoscalar transition rates $B(02)$ are 168, 96 and 74 fm⁴ for $^{14}\text{C}^*$ (7.01, 8.32, 10.44).