

Table 14.30 from (1976AJ04): Levels of ^{14}O from $^{12}\text{C}(^3\text{He}, n)^{14}\text{O}$

E_x (MeV \pm keV)		$\Gamma_{\text{c.m.}}$ (keV)		L^c	J^π^c
(1961TO03, 1968TO09)	(1972GR39)	(1961TO03)	(1973PR08)		
0	0			0	0^+
5.17	5.173 ± 10			1	1^-
5.905 ± 12	5.930 ± 15	≤ 60	≤ 47	0	0^+
6.30 ± 30	6.272 ± 10	120	103 ± 6	3	3^-
6.586 ± 12^a	6.596 ± 10	≤ 60	≤ 56	(2)	2^+^d
	7.768 ± 10		76 ± 10	2	2^+
	9.705 ± 25			(2)	(2^+)
	9.915 ± 20^b	100 ± 50^b		4	4^+

^a (1970AD01) report $E_x = 6.585 \pm 0.005$ MeV.

^b (1972BR60) report $E_x = 9.95 \pm 0.043$ MeV; $J^\pi = 3^-$.

^c See (1968TO09, 1970AD01, 1970AD02, 1972BR60, 1972GR39).

^d $J = 2$ follows from the n-p coincidence study of (1973PR08). The J shown for $^{14}\text{O}^*(5.91, 6.29, 7.78)$ are in accord with this work.