Table 15.22 from (1981AJ01):
Levels of ^{15}O from ^{13}C(^{3}He, n)^{15}O

E_x [a] (MeV)	J^π [a]	L [b]	S [e]
g.s.	$\frac{1}{2}^-$	0	1 [g]
5.18 [c]	$\frac{1}{2}^+$	1	0.15
5.24 [c]	$\frac{5}{2}^+$	3	0.17
6.180 ± 4 [f]	$\frac{3}{2}^-$	2	0.10 [h]
6.79 [c]	$\frac{3}{2}^+$	1	0.12
6.857 ± 3.2 [f]	$\frac{5}{2}^+$	3	0.29
7.284 ± 7 [f]	$\frac{7}{2}^+$	3	(< 0.03)
7.56	$\frac{1}{2}^+$	1	0.02
8.28	$\frac{3}{2}^+$	1	(0.38)
8.74	$\frac{1}{2}^+$	1	
8.92 [l]		1	0.55 [i]
8.98	$(\frac{1}{2})^-$	0	0.44 [j]
9.49	$\frac{5}{2}^-$	2	
9.53	$(\frac{1}{2})^+$	1	
9.61	$\frac{3}{2}^-$	2	1.05 [j]
9.66	$(\frac{7}{2}, \frac{9}{2})^-$	0 [k]	
10.29 [l]		≥ 3 [d]	
10.48 [l]		0 [c], 2 [d]	

[a] Nominal energies and known J^π: see Table 15.18, exccept where uncertainties are shown.

[b] (1971ET1A, 1972ET01): $E(^3\text{He}) = 5.5$ and 6.2 MeV; used codes DWUCK and MANDY.

[c] These states were unresolved.

[d] (1972GE02): $E(^3\text{He}) = 6$ MeV.

[e] (1971HI04); see also (1972GE02).

[f] From γ-ray measurements: see Table 15.19 (1965WA16).

[g] $(p_{1/2})^2$.

[h] $(p_{3/2}, p_{1/2})$.

[i] $(p_{1/2}, d_{3/2})$.

[j] $(d_{5/2})^2$.

[k] (1971HI04) report $L = 4$.

[l] Known to be a doublet: see Table 15.19.