

Table 15.26 from (1976AJ04):
Levels of ^{15}O from $^{14}\text{N}(\text{d}, \text{n})^{15}\text{O}$ and $^{14}\text{N}(^3\text{He}, \text{d})^{15}\text{O}$

E_x in ^{15}O ^a (MeV)	l_p ^b	S ^c	E_x ^d (MeV \pm keV)	l_p ^e	J^π
0	1	0.87		1	$\frac{1}{2}^-$
5.18		0		(0)	$\frac{1}{2}^+$
5.24	2	(0.03)	5.2410 ± 0.5 ^f	2	$\frac{5}{2}^+$
6.18	1	0.04	6.180 ± 4	1	$\frac{3}{2}^-$
6.79	0	≤ 0.3		0	$\frac{3}{2}^+$
6.86	2	0.4	6.8598 ± 1.0	2	$\frac{5}{2}^+$
7.28	2	0.42	7.2762 ± 0.6	2	$\frac{7}{2}^+$
7.56	0	≤ 0.4		0	$\frac{1}{2}^+$
8.28	1			0	$\frac{3}{2}^+$

^a Nominal energies.

^b (d, n): (1970RI01, 1971BO35). See also Table 15.27 in (1970AJ04).

^c (d, n): (1971BO35); determined at $E_d \approx 6$ MeV; $\pm 30\%$. (1971BO35) reviews the spectroscopic factors derived in this and in other papers. See also (1970RI01).

^d (d, n γ): (1965WA16, 1966AL18, 1967CH19).

^e (^3He , d): (1968BO14, 1969AL04).

^f See also p. 215 in (1972NE05).