

Table 15.22 from (1986AJ01):
Levels of ^{15}O from $^{14}\text{N}(\text{d}, \text{n})$ and $^{14}\text{N}(^3\text{He}, \text{d})$

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

^a Nominal energies if uncertainty is not indicated.

^b From γ -ray measurements: see [Table 15.26 in \(1976AJ04\)](#) for references for these and other measurements displayed in this table.

^c See ([1971BO35: \(d, n\)](#)) also for a review of spectroscopic factors derived from other work.

^d From both (d, n) and (^3He , d) work: see ([1976AJ04](#)).

^e From (^3He , d).