

Table 15.15 from (1976AJ04): ^{15}N states from $^{14}\text{N}(\text{d}, \text{p})^{15}\text{N}$

E_x (MeV \pm keV)			l_n^b	J^π^b
A	(1954SP01)	B		
0			1	$\frac{1}{2}^-, \frac{3}{2}^-, \frac{5}{2}^-$
5.276 ± 6	5.280 ± 10	5.27159 ± 0.46	2	$\leq \frac{7}{2}^+$
5.305 ± 6		5.30003 ± 0.43	^c	
6.328 ± 6	6.330 ± 10		1 ^d	$\frac{3}{2}^-$
7.164 ± 6	7.165 ± 10	7.1555 ± 1.7	2 ^d	$\leq \frac{7}{2}^+$
7.309 ± 6^a	7.314 ± 10		0 ^d	$\frac{1}{2}^+, \frac{3}{2}^+$
7.570 ± 8	7.575 ± 10	7.5671 ± 1.0	2 ^{d,e}	$\leq \frac{7}{2}^+$
8.315 ± 6^a	8.316 ± 10	8.309 ± 4.1	0 ^d	$\frac{1}{2}^+, \frac{3}{2}^+$
8.582 ± 5^a	8.571 ± 10	8.573 ± 3.2	0 + 2 ^d	$\leq \frac{7}{2}^+$
9.056 ± 5	9.062 ± 10		0 ^g	$(\frac{1}{2}, \frac{3}{2})^+$
9.159 ± 6	9.165 ± 10		f,h	
9.226 ± 6			1 ^g	$(\frac{1}{2}^-)$
9.764 ± 6			1 ^g	$(\frac{5}{2}^-)$
9.831 ± 6	9.834 ± 10		g	
9.929 ± 6			h	
10.071 ± 6	10.069 ± 10		2, 0 ^{d,g}	$\frac{3}{2}^+$
10.456 ± 7	10.458 ± 10		(1) ^g	
10.541 ± 7	10.544 ± 10			
10.702 ± 7	10.705 ± 10		2, 0 ^d	$\frac{3}{2}^+$
10.809 ± 9	10.811 ± 10		1	$\leq \frac{5}{2}^-$
	11.2		1	$\leq \frac{5}{2}^-$

A: (1950MA65, 1956DO41, 1966GA08).

B: (1965AL19, 1965WA16, 1966AL18, 1967CH19).

^a 7307, 8319 and 8577 keV (± 8 keV) (1956DO41).

^b For earlier references see Table 15.15 in (1970AJ04).

^c Isotropic: no clear stripping pattern.

^d See (1969PH02) for absolute spectroscopic factors.

^e (1957WA01) find a possible $l = 0$ component.

^f This is a doublet: see text.

^g (1972AM06): $E_d = 3.0$ and, in some cases, 3.6 MeV; see for spectroscopic factors.

^h See (1972AM06): no clear pattern.