

Table 15.2 from (1959AJ76): Energy levels of ^{15}N

E_x (MeV \pm keV)	J^π	Γ (keV)	Decay	Reactions
0	$\frac{1}{2}^-$	—	stable	1, 5, 11, 16, 19, 20, 27, 28, 31, 32, 33, 34, 36, 37, 38
5.276 ± 6	$\leq \frac{7}{2}^+$		γ	5, 11, 16, 19, 20, 27, 32
5.305 ± 6	$\frac{1}{2}^+, \frac{3}{2}^+$		γ	5, 11, 16, 19, 20, 27, 32
6.328 ± 6	$\leq \frac{5}{2}^-$		γ	5, 11, 16, 20, 27, 32, 34
7.164 ± 6	$\leq \frac{7}{2}^+$		γ	13, 20, 27
7.309 ± 6	$\frac{1}{2}^+, \frac{3}{2}^+$		γ	16, 20, 27
7.572 ± 8	$\leq \frac{7}{2}^+$		(γ)	16, 27
8.316 ± 6	$\frac{1}{2}^+, \frac{3}{2}^+$		γ	20, 27
8.575 ± 8	$\leq \frac{7}{2}^+$		γ	20, 27
9.062 ± 10	$\frac{1}{2}^+, \frac{3}{2}^+$		γ	20, 27
9.165 ± 10			γ	20, 27
9.834 ± 10			(γ)	27
10.069 ± 10	$\leq \frac{5}{2}^-$		γ	27
10.458 ± 10			γ	13, 27
10.548 ± 10	$\frac{5}{2}, \frac{7}{2}$		γ	13, 27
10.710 ± 10	$\frac{3}{2}^+$		γ	13, 14, 27
10.815 ± 10	$\frac{3}{2}^-$		γ	13, 27
11.243 ± 10	$> \frac{1}{2}^-$	3.3	n	21, 27
11.299 ± 10	$\frac{1}{2}^-$	5.5 ± 1	γ, n, p	13, 15, 21, 23
11.438 ± 10	$\frac{1}{2}^+$	40 ± 3	γ, n, p, α	2, 13, 15, 21, 23
11.61	$\frac{1}{2}^+{}^a$	450	γ, n, p	13, 15, 30
11.773 ± 10	$\frac{3}{2}^+$	39 ± 3	n, p, α	2, 15, 21, 23
11.885 ± 10	$\frac{3}{2}^-$	20 ± 2	n, p, α	2, 15, 21
11.950 ± 10	$> \frac{1}{2}^-$	≤ 3	n, α	2, 21
11.972 ± 10	$\frac{1}{2}^-$	16	n, p, α	15, 21
12.103 ± 10	$\frac{5}{2}$	19 ± 5	n, p, α	2, 3, 15, 21
12.152 ± 10	$\frac{3}{2}$	49	n, p, α	2, 3, 15, 21, 23, 24
12.333 ± 10	$\frac{5}{2}$	21 ± 3	n, p, α	15, 21
12.502 ± 10	$\frac{5}{2}^+$	28	n, p, α	2, 3, 15, 21, 24
12.928 ± 10	$\frac{3}{2}^-$	60	n, p, α	3, 15, 21
12.93	$\frac{7}{2}^-$	30	p, α	3
13.15		< 2	n, p, α	2, 3

Table 15.2 from (1959AJ76): Energy levels of ^{15}N (continued)

E_x (MeV \pm keV)	J^π	Γ (keV)	Decay	Reactions
13.18	$\frac{1}{2}^{\pi-}$	6	n, p, α	2, 3
13.36		20	n, α	2, 3
13.41		30	p, α	3
13.61		15	n, α	2, 3
13.71		30	n, α	2
13.85		50	n, α	2
14.08		≈ 7	n, α	2
14.17		25	n, α	2
14.63		53	n, α	2
14.90			n, α	2
15.01			n, α	2
15.08			n, α	2
15.29			n, α	2
15.37			n, α	2
15.61			n, α	2
15.92			n, α	2
15.93			n, α	2
15.99			n, α	2
16.04			n, α	2
16.47			p	7
16.72		≈ 90	n, p, d	6, 7
16.90		≈ 350	n, d	6
17.11		broad	d, α	9
17.24	≈ 170	t, d	8	
17.37	≈ 350	p, α , t, d, n	6, 7, 8, 9	
17.58	≈ 170	t, d	8	
17.70	≈ 500	d, n, α	6, 9	
17.72	48 ± 9	p, α , d, t	7, 8, 9	
18.07	19 ± 4	α , d	9	
18.09	≈ 45	p, d, t	7, 8	
18.28	230 ± 60	n, p, α , d	6, 7, 9	
19.16	≈ 130	n, d	6	

^a $T = \frac{3}{2}$.