

Table 15.10 from (1970AJ04): Radiative decays in  $^{15}\text{N}$ 

$E_i$ (MeV)	$J_i^\pi$	$E_f$ (MeV)	$J_f^\pi$	Branch (%)	Refs.
5.27	$\frac{5}{2}^+$	0	$\frac{1}{2}^-$	100	
5.30	$\frac{1}{2}^+$	0	$\frac{1}{2}^-$	100	
6.32	$\frac{3}{2}^-$	0	$\frac{1}{2}^-$	100	(1965WA16, 1966PE04, 1969SI04)
		5.27	$\frac{5}{2}^+$	< 1	(1965WA16)
				< 3	(1966PE04)
		5.30	$\frac{1}{2}^+$	< 3	(1966PE04)
				< 1	(1965WA16)
7.16	$\frac{5}{2}^+$	0	$\frac{1}{2}^-$	< 5	(1965WA16)
				< 3	(1969SI04)
				< 12	(1968GI11)
				< 4	(1966HA30)
		5.27	$\frac{5}{2}^+$	100	(1965WA16, 1966PE04, 1968GI11)
				> 97	(1969SI04)
				< 95	(1967TH05)
		5.30	$\frac{1}{2}^+$	< 4	(1966AL18)
				< 4	(1968GI11)
				< 5	(1966PE04)
7.30	$\frac{3}{2}^+$	6.32	$\frac{3}{2}^-$	< 0.5	(1965WA16)
		0	$\frac{1}{2}^-$	100	(1966PE04, 1969SI04)
				$98 \pm 1$	(1965WA16, 1968GI11)
		5.27	$\frac{5}{2}^+$	$2 \pm 1$	(1965WA16)
				< 1.5	(1968GI11)
		5.30	$\frac{1}{2}^+$	$2 \pm 1$	(1968GI11)
		6.32	$\frac{3}{2}^-$	< 3	(1966PE04)
7.57	$\frac{7}{2}^+$	0	$\frac{1}{2}^-$	< 0.25	(1965WA16)
				< 2	(1965WA16)
				< 4	(1966HA30)
				< 3	(1966PE04)
		5.27	$\frac{5}{2}^+$	100	(1965WA16, 1966PE04, 1968GI11)
		5.30	$\frac{1}{2}^+$	< 5	(1965WA16)
				< 4	(1966AL18)
		< 6	(1968GI11)		

Table 15.10 from (1970AJ04): Radiative decays in  $^{15}\text{N}$  (continued)

$E_i$ (MeV)	$J_i^\pi$	$E_f$ (MeV)	$J_f^\pi$	Branch (%)	Refs.
8.31	$\frac{1}{2}^+$	6.32	$\frac{3}{2}^-$	< 0.6	(1965WA16)
		0	$\frac{1}{2}^-$	$80 \pm 3$	(1965WA16)
				$77 \pm 3$	(1966WA08)
				$70 \pm 4$	(1966PE04)
				$79.1 \pm 1.9$	(1967PH03)
		5.27	$\frac{5}{2}^+$	< 3	(1965WA16)
		5.30	$\frac{1}{2}^+$	$10 \pm 2$	(1965WA16)
		5.27 + 5.30		$12 \pm 2$	(1966WA08)
				$12 \pm 3$	(1966PE04)
				$10.9 \pm 1.3$	(1967PH03)
		6.32	$\frac{3}{2}^-$	$7.8 \pm 2$	(1965WA16)
				$12 \pm 3$	(1966PE04)
				$4.4 \pm 1.0$	(1967PH03)
		7.16	$\frac{5}{2}^+$	< 1	(1965WA16)
		$\leq 6$	(1966PE04)		
		$1.2 \pm 0.6$	(1967PH03)		
7.30	$\frac{3}{2}^+$	$2.2 \pm 0.4$	(1965WA16)		
		$4.4 \pm 0.7$	(1967PH03)		
8.58	$\frac{3}{2}^+$	0 <sup>c</sup>	$\frac{1}{2}^-$	$34 \pm 4$	(1965WA16)
				$32 \pm 3$	(1966WA08)
				$27 \pm 4$	(1966PE04)
				$33.4 \pm 2.0$	(1967PH03)
		5.27	$\frac{5}{2}^+$	$63 \pm 4$	(1965WA16)
				$65 \pm 3$	(1966WA08)
		5.30	$\frac{1}{2}^+$	< 12	(1965WA16)
		5.27 + 5.30		$66 \pm 4$	(1966PE04)
				$61.6 \pm 2.0$	(1967PH03)
		6.32	$\frac{3}{2}^-$	$3 \pm 1$	(1965WA16)
				$\leq 7$	(1966PE04)
				$1.4 \pm 0.6$	(1967PH03)
		7.16	$\frac{5}{2}^+$	< 5	(1965WA16)
				< 4	(1966WA08)
		$3.6 \pm 0.5$	(1967PH03)		

Table 15.10 from (1970AJ04): Radiative decays in  $^{15}\text{N}$  (continued)

$E_i$ (MeV)	$J_i^\pi$	$E_f$ (MeV)	$J_f^\pi$	Branch (%)	Refs.
9.05	$\frac{1}{2}^+$	7.30	$\frac{3}{2}^+$	< 0.7	(1965WA16)
				< 3	(1966WA08)
		7.57	$\frac{7}{2}^+$	< 3	(1965WA16, 1966WA08)
		0	$\frac{1}{2}^-$	$92 \pm 3$	(1965WA16)
				$92 \pm 4$	(1966WA08)
				$91.6 \pm 0.9$	(1967PH03)
		5.27	$\frac{5}{2}^+$	$3.8 \pm 1$	(1965WA16)
				$3.5 \pm 1$	(1966WA08)
				$4.7 \pm 0.7$	(1967PH03)
		6.32	$\frac{3}{2}^-$	$3 \pm 2$	(1965WA16)
				$4.5 \pm 1$	(1966WA08)
				$3.7 \pm 0.5$	(1967PH03)
		7.16	$\frac{5}{2}^+$	< 10	(1965WA16)
		7.30	$\frac{3}{2}^+$	$1.2 \pm 0.4$	(1965WA16)
7.57	$\frac{7}{2}^+$	< 2	(1965WA16)		
8.31	$\frac{1}{2}^+$	< 0.5	(1965WA16)		
9.152 <sup>a</sup>	$\frac{3}{2}^-$	7.16 + 7.30 + 7.57		< 1	(1967PH03)
		0	$\frac{1}{2}^-$	97	(1968ST10)
9.155 <sup>a</sup>	$(\frac{5}{2})$			100	(1969SI04)
		5.27 + 5.30		3	(1968ST06)
		0	$\frac{1}{2}^-$	0 → 17	(1968ST10)
				17	(1967TH05)
		5.27	$\frac{5}{2}^+$	8	(1967TH05)
		5.30	$\frac{1}{2}^+$	10	(1967TH05)
		5.27 + 5.30		14 → 17	(1968ST10)
				23	(1969SI04)
		6.32	$\frac{3}{2}^-$	18 → 22	(1968ST10)
				19	(1969SI04)
		20	(1967TH05)		
7.16	$\frac{5}{2}^+$	44 → 52	(1968ST10)		
		58	(1969SI04)		
		45	(1967TH05)		
7.30	$\frac{3}{2}^+$	7 → 9	(1968ST10)		

Table 15.10 from (1970AJ04): Radiative decays in  $^{15}\text{N}$  (continued)

$E_i$ (MeV)	$J_i^\pi$	$E_f$ (MeV)	$J_f^\pi$	Branch (%)	Refs.
9.23	$\leq \frac{5}{2}^-$	0	$\frac{1}{2}^-$	< 30	(1965WA16)
				$41.5 \pm 2.2$	(1967PH03)
		5.27	$\frac{5}{2}^+$	< 25	(1965WA16)
		5.30	$\frac{1}{2}^+$	100	(1965WA16)
		5.27 + 5.30		$31.2 \pm 1.7$	(1967PH03)
		6.32	$\frac{3}{2}^-$	$\leq 25$	(1965WA16)
				$24.7 \pm 1.5$	(1967PH03)
		7.16	$\frac{5}{2}^+$	< 30	(1965WA16)
				< 1	(1967PH03)
		7.30	$\frac{3}{2}^+$	< 30	(1965WA16)
				$2.6 \pm 0.7$	(1967PH03)
		7.57	$\frac{7}{2}^+$	< 20	(1965WA16)
		8.31	$\frac{1}{2}^+$	< 5	(1965WA16)
		7.57 + 8.31		< 1	(1967PH03)
9.76	$\frac{5}{2}^-$	0	$\frac{1}{2}^-$	100	(1965WA16)
				$81.5 \pm 2.8$	(1967PH03)
		5.27 + 5.30		< 10	(1965WA16)
				$7.5 \pm 1.5$	(1967PH03)
		6.32	$\frac{3}{2}^-$	< 5	(1965WA16)
				$3.7 \pm 0.8$	(1967PH03)
		7.16	$\frac{5}{2}^+$	< 10	(1965WA16)
				$2.3 \pm 0.5$	(1967PH03)
		7.30	$\frac{3}{2}^+$	< 3	(1965WA16)
				< 2	(1967PH03)
		7.57	$\frac{7}{2}^+$	< 10	(1965WA16)
				$5.0 \pm 0.6$	(1967PH03)
		8.31	$\frac{1}{2}^+$	< 2	(1965WA16)
				< 1	(1967PH03)
8.58	$\frac{3}{2}^+$	< 2	(1965WA16)		
		< 2	(1967PH03)		
9.83	$\frac{7}{2}$	0	$\frac{1}{2}^-$	< 30	(1965WA16)
				< 4	(1967PH03)
		5.27	$\frac{5}{2}^+$	100	(1965WA16)

Table 15.10 from (1970AJ04): Radiative decays in  $^{15}\text{N}$  (continued)

$E_i$ (MeV)	$J_i^\pi$	$E_f$ (MeV)	$J_f^\pi$	Branch (%)	Refs.
9.93	$(\frac{1}{2}, \frac{3}{2})^+$	5.30	$\frac{1}{2}^+$	< 15	(1965WA16)
		5.27 + 5.30		$84.4 \pm 1.8$	(1967PH03)
		6.32	$\frac{3}{2}^-$	< 15	(1965WA16)
				$2.2 \pm 0.9$	(1967PH03)
		7.16	$\frac{5}{2}^+$	< 10	(1965WA16)
				$2.4 \pm 1.1$	(1967PH03)
		7.30	$\frac{3}{2}^+$	< 10	(1965WA16)
				$3.7 \pm 0.9$	(1967PH03)
		7.57	$\frac{7}{2}^+$	< 10	(1965WA16)
				$7.3 \pm 1.0$	(1967PH03)
		8.31 + 8.58		< 1	(1967PH03)
		0	$\frac{1}{2}^-$	$80 \pm 10$	(1965WA16)
				$77.6 \pm 1.9$	(1967PH03)
		5.27 + 5.30		$10 \pm 10$	(1965WA16)
				$15.4 \pm 1.5$	(1967PH03)
		6.32	$\frac{3}{2}^-$	$10 \pm 10$	(1965WA16)
				$4.9 \pm 1.2$	(1967PH03)
7.16	$\frac{5}{2}^+$	< 10	(1965WA16)		
		< 1	(1967PH03)		
7.30	$\frac{3}{2}^+$	< 3	(1965WA16)		
		$2.1 \pm 0.8$	(1967PH03)		
7.57	$\frac{7}{2}^+$	< 10	(1965WA16)		
8.31	$\frac{1}{2}^+$	< 2	(1965WA16)		
8.58	$\frac{3}{2}^+$	< 2	(1965WA16)		
7.57, 8.31, 8.58		< 1	(1967PH03)		
10.07	$\frac{3}{2}^+$	0	$\frac{1}{2}^-$	100	(1965WA16)
				$96.0 \pm 0.7$	(1967PH03)
				$94 \pm 4$	(1966WA08)
		5.27 + 5.30		< 10	(1965WA16)
				$4.0 \pm 0.7$	(1967PH03)
				$6 \pm 2$	(1966WA08)
6.32	$\frac{3}{2}^-$	< 5	(1965WA16)		
		< 2	(1966WA08)		

Table 15.10 from (1970AJ04): Radiative decays in  $^{15}\text{N}$  (continued)

$E_i$ (MeV)	$J_i^\pi$	$E_f$ (MeV)	$J_f^\pi$	Branch (%)	Refs.
10.45	$\frac{3}{2} \rightarrow \frac{7}{2}$	7.16	$\frac{5}{2}^+$	< 7	(1965WA16)
				< 2	(1966WA08)
		7.30	$\frac{3}{2}^+$	< 3	(1965WA16)
				< 2	(1966WA08)
		7.57	$\frac{7}{2}^+$	< 7	(1965WA16)
				< 2	(1966WA08)
		8.31	$\frac{1}{2}^+$	< 2	(1965WA16)
		8.58	$\frac{3}{2}^+$	< 3	(1965WA16)
		0	$\frac{1}{2}^-$	$12 \pm 12$	(1965WA16)
				< 4	(1966WA08, 1967PH03)
		5.27 + 5.30		$72 \pm 8$	(1965WA16)
				$66 \pm 5$	(1966WA08)
				$62.4 \pm 2.4$	(1967PH03)
		6.32	$\frac{3}{2}^-$	$12 \pm 8$	(1965WA16)
				$28 \pm 5$	(1966WA08)
				$14.7 \pm 1.6$	(1967PH03)
		7.16	$\frac{5}{2}^+$	< 10	(1965WA16)
				< 6	(1966WA08)
		7.30	$\frac{3}{2}^+$	$4 \pm 4$	(1965WA16)
				< 6	(1966WA08)
		7.57	$\frac{7}{2}^+$	< 10	(1965WA16)
				< 6	(1966WA08)
		8.31	$\frac{1}{2}^+$	$1.5 \pm 0.5$	(1967PH03)
		9.05	$\frac{1}{2}^+$	< 1	(1967PH03)
9.15 + 9.23		$5.0 \pm 0.5$	(1967PH03)		
9.76	$\frac{5}{2}^-$	$1.6 \pm 0.7$	(1967PH03)		
9.83	$\frac{7}{2}$	$2.2 \pm 1.5$	(1967PH03)		
9.93	$(\frac{1}{2}, \frac{3}{2})^+$	$3.7 \pm 1.1$	(1967PH03)		
10.07	$\frac{3}{2}^+$	< 4	(1967PH03)		
10.54 <sup>b</sup>	$\frac{5}{2}^+$	0	$\frac{1}{2}^-$	$1 \pm 0.3$	(1969SI04)
		5.27	$\frac{5}{2}^+$	$30 \pm 2$	(1969SI04)
		6.32	$\frac{3}{2}^-$	$7 \pm 0.5$	(1969SI04)
		7.16	$\frac{5}{2}^+$	$23 \pm 1.5$	(1969SI04)

Table 15.10 from (1970AJ04): Radiative decays in  $^{15}\text{N}$  (continued)

$E_i$ (MeV)	$J_i^\pi$	$E_f$ (MeV)	$J_f^\pi$	Branch (%)	Refs.
10.70	$\frac{3}{2}^+$	7.30	$\frac{3}{2}^+$	$37 \pm 2.5$	(1969SI04)
		8.58	$\frac{3}{2}^+$	$1.8 \pm 0.4$	(1969SI04)
		(9.22)	$\leq \frac{5}{2}^-$	$< 1$	(1969SI04)
		0	$\frac{1}{2}^-$	$52 \pm 1$	(1969SI04)
		5.27	$\frac{5}{2}^+$	$38 \pm 1$	(1969SI04)
		6.32	$\frac{3}{2}^-$	$6 \pm 0.4$	(1969SI04)
		7.16	$\frac{5}{2}^+$	$< 1$	(1969SI04)
		7.30	$\frac{3}{2}^+$	$3 \pm 0.3$	(1969SI04)
		8.31	$\frac{1}{2}^+$	$< 1$	(1969SI04)
		9.05	$\frac{1}{2}^+$	$< 1$	(1969SI04)
10.80	$\frac{3}{2}^+$	(9.22)	$\leq \frac{5}{2}^-$	$< 1$	(1969SI04)
		0	$\frac{1}{2}^-$	$55 \pm 5$	(1965WA16)
				$53 \pm 15$	(1966WA08)
				$47 \pm 1$	(1969SI04)
		5.27	$\frac{5}{2}^+$	$5 \pm 0.5$	(1969SI04)
		5.30	$\frac{1}{2}^+$	$13 \pm 0.6$	(1969SI04)
		5.27 + 5.30		$45 \pm 5$	(1965WA16)
				$47 \pm 5$	(1966WA08)
		6.32	$\frac{3}{2}^-$	$< 5$	(1965WA16)
				$< 10$	(1966WA08)
				$7 \pm 0.5$	(1969SI04)
		7.16	$\frac{5}{2}^+$	$< 5$	(1965WA16)
				$9 \pm 0.5$	(1969SI04)
		7.30	$\frac{3}{2}^+$	$< 5$	(1965WA16)
				$< 4$	(1966WA08)
		$8 \pm 0.5$	(1969SI04)		
7.57	$\frac{7}{2}^+$	$< 7$	(1965WA16)		
8.31	$\frac{1}{2}^+$	$5 \pm 0.5$	(1969SI04)		
9.05	$\frac{1}{2}^+$	$1 \pm 0.3$	(1969SI04)		
9.152	$\frac{3}{2}^-$	$2 \pm 0.3$	(1969SI04)		
9.155	$(\frac{5}{2})$	$4 \pm 0.3$	(1969SI04)		

<sup>a</sup> See also (1965WA16, 1967PH03).

<sup>b</sup> See also (1960HE13).

<sup>c</sup> See also (1969SI04).