

Table 17.1 from (1986AJ04): Energy levels of ^{17}N ^a

E_x in ^{17}N (MeV \pm keV)	$J^\pi; T$	τ or Γ	Decay	Reactions
0	$\frac{1}{2}^-; \frac{3}{2}$	$\tau_{1/2} = 4.173 \pm 0.004$ sec	β^- ^b	1, 2, 3, 4, 5, 6, 7
1.3739 \pm 0.3	$\frac{3}{2}^-$	$\tau_m = 93 \pm 35$ fsec	γ	2, 4, 5, 6, 7
1.8496 \pm 0.3	$\frac{1}{2}^+$	41_{-9}^{+20} psec	γ	2, 4, 5, 6, 7
1.9068 \pm 0.3	$\frac{5}{2}^-$	11 ± 2 psec	γ	2, 3, 4, 5, 6, 7
2.5260 \pm 0.5	$\frac{5}{2}^+$	33 ± 3 psec	γ	2, 3, 4, 6, 7
3.1289 \pm 0.5	$\frac{7}{2}^-$	275 ± 80 fsec	γ	2, 4, 6, 7
3.2042 \pm 0.9	$\frac{3}{2}^-$	< 30 fsec	γ	2, 4, 6, 7
3.6287 \pm 0.7	$(\frac{7}{2}, \frac{9}{2})^-$	12 ± 2 psec	γ	2, 3, 4
3.663 \pm 4	$\frac{1}{2}^-$	< 350 fsec	γ	2, 4
3.9060 \pm 2.0	$(\frac{3}{2}, \frac{5}{2})^-$	52 ± 22 fsec	γ	2, 4
4.0064 \pm 2.0	$\frac{3}{2}^{(-)}$	< 15 fsec	γ	2, 3, 4, 6
4.209 \pm 3	$\frac{5}{2}^+$	< 70 fsec	γ	2, 4
4.415 \pm 3	$(\frac{3}{2}, \frac{5}{2})^-$	(< 60) fsec	γ	2, 4
5.170 \pm 2	$(\frac{9}{2}^+)$	< 60 fsec	γ	2, 3, 4, 6
5.195 \pm 3	$(\frac{1}{2}, \frac{3}{2})^+$	< 95 fsec	γ	2, 4
5.515 \pm 3	$\frac{3}{2}^-$	< 100 fsec	γ	2, 4, 6
5.772 \pm 3	$\leq \frac{7}{2}$	< 120 fsec	γ	2, 4
(6.08 \pm 30)				2
6.233 \pm 8				2, 4
6.449 \pm 3				2, 4
6.615 \pm 19				2, 4
6.938 \pm 15				4
6.981 \pm 20	$(\frac{3}{2})^-$			2, 4, 6
7.013 \pm 22				2, 4, 6
7.17 \pm 40				2
7.37 \pm 40				2
7.63 \pm 40				2
7.73 \pm 40				2
8.00 \pm 25				2
8.14 \pm 40				2

Table 17.1 from (1986AJ04): Energy levels of ^{17}N ^a (continued)

E_x in ^{17}N (MeV \pm keV)	$J^\pi; T$	τ or Γ	Decay	Reactions
8.55 \pm 40		broad		2
8.93 \pm 40		broad		2
9.26 \pm 40		broad		2
9.74 \pm 40		broad		2
10.14	$(\frac{1}{2}, \frac{3}{2})^-$			6

^a See also (1984BA24) and Table 17.2.

^b See also Tables 17.2 and 17.3.