

Table 17.2 from (1993TI07): 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, 8
1.3739 \pm 0.3	$\frac{3}{2}^-$	$\tau_m = 93 \pm 35$ fsec	γ	3, 5, 6, 7, 8
1.8496 \pm 0.3	$\frac{1}{2}^+$	41_{-9}^{+20} psec	γ	3, 5, 6, 7, 8
1.9068 \pm 0.3	$\frac{5}{2}^-$	11 ± 2 psec	γ	3, 4, 5, 6, 7, 8
2.5260 \pm 0.5	$\frac{5}{2}^+$	33 ± 3 psec	γ	3, 4, 5, 7, 8
3.1289 \pm 0.5	$\frac{7}{2}^-$	275 ± 80 psec	γ	3, 5, 7, 8
3.2042 \pm 0.9	$\frac{3}{2}^-$	< 30 fsec	γ	3, 5, 7, 8
3.6287 \pm 0.7	$(\frac{7}{2}, \frac{9}{2})^-$ ^c	12 ± 2 psec	γ	3, 4, 5
3.663 \pm 4	$\frac{1}{2}^-$	< 350 fsec	γ	3, 5
3.9060 \pm 2.0	$(\frac{3}{2}, \frac{5}{2})^-$ ^c	52 ± 22 fsec	γ	3, 5
4.0064 \pm 2.0	$\frac{3}{2}^{(+)}$ ^c	< 15 fsec	γ	3, 4, 5, 7
4.209 \pm 3	$\frac{5}{2}^+$	< 70 fsec	γ	3, 5
4.415 \pm 3	$(\frac{3}{2}, \frac{5}{2})^-$ ^c	$(< 60$ fsec)	γ	3, 5
5.170 \pm 2	$(\frac{9}{2})^+$ ^c	< 60 fsec	γ	3, 4, 5, 7
5.195 \pm 3	$\frac{3}{2}^+$ ^c	< 95 fsec	γ	3, 5
5.515 \pm 3	$\frac{3}{2}^-$	< 100 fsec	γ	3, 5, 7
5.772 \pm 3	$\frac{1}{2}, \frac{3}{2}^+$ ^c	< 120 fsec	γ	3, 5
(6.08 \pm 30)				3
6.233 \pm 8				3, 5
6.449 \pm 3				3, 5
6.615 \pm 19				3, 5
6.938 \pm 15				5
6.981 \pm 20	$\frac{3}{2}^-$ ^c			3, 5, 7
7.013 \pm 22				3, 5, 7
7.17 \pm 40				3
7.37 \pm 40				3
7.63 \pm 40				3
7.73 \pm 40				3
8.00 \pm 25				3
8.14 \pm 40				3
8.55 \pm 40		broad		3

Table 17.2 from (1993TI07): Energy levels of ^{17}N ^a (continued)

E_x in ^{17}N (MeV \pm keV)	$J^\pi; T$	τ or Γ	Decay	Reactions
8.93 \pm 40		broad		3
9.26 \pm 40		broad		3
9.74 \pm 40		broad		3
10.14	$(\frac{1}{2}, \frac{3}{2})^-$			7

^a See also (1984BA24) and Table 17.3.

^b See also Tables 17.4 and 17.5.

^c Arguments presented in the appendix of (1989WA06) favor assignments $(E_x(\text{MeV}), J^\pi) = (3.629, \frac{9}{2}^-; 3.906, \frac{5}{2}^-; 4.006, \frac{3}{2}^+; 4.415, \frac{5}{2}^-; 5.170, \frac{9}{2}^+; 5.195, \frac{3}{2}^+; 5.772, \frac{3}{2}^+)$.