

Table 17.1 from (1977AJ02): Energy levels of ^{17}N ^a

E_x in ^{17}N (MeV \pm keV)	$J^\pi; T$	τ or Γ	Decay	Reactions
0	$\frac{1}{2}^-; \frac{3}{2}$	$\tau_{1/2} = 4.169 \pm 0.008$ sec	β^- ^b	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
1.3739 \pm 0.3	$\frac{3}{2}^+$	$\tau_m = 93 \pm 35$ fsec	γ	3, 11, 12
1.8496 \pm 0.3	$\frac{1}{2}^+$	41_{-9}^{+20} psec	γ	3, 11, 12
1.9068 \pm 0.3	$\frac{5}{2}^-$	11 ± 2 psec	γ	3, 11, 12
2.5260 \pm 0.5	$\frac{5}{2}^+$	33 ± 3 psec	γ	3, 11, 12
3.1289 \pm 0.5	$\frac{7}{2}^-$	275 ± 80 fsec	γ	3, 12
3.2042 \pm 0.9	$\frac{3}{2}^-$	< 30 fsec	γ	3, 11, 12
3.6287 \pm 0.7	$(\frac{7}{2}^-, \frac{9}{2}^-)$	12 ± 2 psec	γ	3, 11, 12
3.663 \pm 4	$(\frac{1}{2}^-, \frac{3}{2}^-)$	< 350 fsec	γ	3, 11, 12
3.9060 \pm 2.0	$\leq \frac{7}{2}$	52 ± 22 fsec	γ	3
4.0064 \pm 2.0	$(\frac{3}{2})$	< 15 fsec	γ	3, 11, 12
4.208 \pm 3	$\leq \frac{5}{2}$	< 70 fsec	γ	3, 12
4.415 \pm 3	$\leq \frac{7}{2}$	$(< 60$ fsec)	γ	3
5.170 \pm 2	$(\frac{7}{2}^+, \frac{9}{2}^+)$	< 60 fsec	γ	3
5.195 \pm 3	$(\frac{1}{2}^-, \frac{3}{2}^-, \frac{5}{2}^+)$	< 95 fsec	γ	3
5.514 \pm 3	$(\frac{3}{2})^-$	< 100 fsec	γ	3, 11
5.770 \pm 3	$\leq \frac{7}{2}$	< 120 fsec	γ	3, 11
6.08 \pm 30				3
6.24 \pm 25				3
6.43 \pm 30				3
6.61 \pm 25				3
6.99 \pm 20				3, 11
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
8.93 \pm 40		broad		3
9.26 \pm 40		broad		3
9.74 \pm 40		broad		3

^a See also [Tables 17.4](#) and [17.5](#).

^b See also [Tables 17.2](#) and [17.3](#).