

Table 12.22 from (1990AJ01): Energy levels of ^{12}N

E_x (MeV \pm keV)	$J^\pi; T$	$\tau_{1/2}$ or $\Gamma_{\text{c.m.}}$ (keV)	Decay	Reactions
0	$1^+; 1$	$\tau_{1/2} = 11.000 \pm 0.016$ ms	β^+	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
0.960 ± 12	2^+	$\Gamma < 20$ keV		2, 4, 5, 6, 8, 10
1.191 ± 8	2^-	118 ± 14	(p)	2, 4, 5
1.80 ± 30	1^-	750 ± 250	(p)	5
2.439 ± 9	0^+	68 ± 21	(p)	2, 5, 10
3.132 ± 8	$2^+, 3^-$	220 ± 20	(p)	2, 5
3.558 ± 9	$(1)^+$	220 ± 25	(p)	2, 4, 5
$4.140 \pm 10^{\text{a}}$	$2^- + 4^-$	825 ± 25	(p)	2, 4, 5, 8
5.348 ± 13	3^-	180 ± 23	(p)	2, 4, 5
(5.60 ± 11)		120 ± 50	(p)	5
$6.40 \pm 30^{\text{a}}$	(1^-)	1200 ± 30	(p)	5
$7.40 \pm 50^{\text{a}}$	(1^-)	1200 ± 30	(p)	5, 8
$7.684 \pm 21^{\text{a}}$		200 ± 32	(p)	2, 4, 5
$8.446 \pm 17^{\text{a}}$		90 ± 30		2
9.035 ± 12		< 35		2
(9.42 ± 100)		≈ 200		5
9.80 ± 20		450 ± 100		5
10.30 ± 20		450 ± 100		5
11.00 ± 20		350 ± 100		5

^a Probably corresponds to unresolved states. See Table 12.23 and reactions 5 and 8.