

Table 12.21 from (1980AJ01): 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	$1^+; 1$	$\tau_{1/2} = 11.000 \pm 0.016$ msec	β^+	1, 2, 3, 4, 5, 6, 7
0.960 ± 12	2^+	$\Gamma < 20$ keV		2, 4, 5, 7
1.189 ± 12	$(2)^-$	100 ± 25	(p)	2, 4, 5
2.415 ± 20	(0^+)	45 ± 15	(p)	2, 5, 7
3.118 ± 14	$(2)^+$	210 ± 30	(p)	2, 5
3.534 ± 15	$\pi = +$	150 ± 40	(p)	2, 4, 5
4.25 ± 30^a		≈ 400	(p)	2, 4, 5
5.320 ± 12^a		≈ 250	(p)	2, 4, 5
6.10 ± 80^a		300 ± 100	(p)	5
7.13 ± 100^a		500 ± 100	(p)	5
7.629 ± 20^a		200 ± 40	(p)	2, 4, 5
8.446 ± 17^a		90 ± 30		2
(8.86 ± 100)		≈ 100		5
9.035 ± 12		< 35		2
9.42 ± 100		≈ 200		5
9.90 ± 100		100 ± 50		5

^a Probably corresponds to unresolved states. See discussions in [reaction 5](#) and [Table 12.23](#).