

Table 18.22 from (1987AJ02): Energy levels of ^{18}Ne ^a

E_x (MeV \pm keV)	$J^\pi; T$	τ or $\Gamma_{\text{c.m.}}$ (keV)	Decay	Reactions
0	$0^+; 1$	$\tau_{1/2} = 1672 \pm 8$ msec	β^+	1, 2, 4, 5
1.8873 ± 0.2	2^+	$\tau_m = 0.67 \pm 0.06$ psec	γ	2, 4, 5
3.3762 ± 0.4	4^+	4.4 ± 0.6 psec	γ	2, 3, 5
3.5763 ± 2.0	0^+	4 ± 2 psec	γ	2, 5
3.6164 ± 0.6	2^+	63_{-20}^{+30} fsec	γ	2, 5
4.519 ± 8	1^-	$\Gamma \leq 20$	(p)	2, 5
4.590 ± 8	0^+	≤ 20	(p)	2, 5
5.090 ± 8	$(2^+, 3^-)$	40 ± 20	(p)	2, 5
5.146 ± 7	$(2^+, 3^-)$	25 ± 15		2, 5
5.453 ± 10		≤ 50		5
6.297 ± 10	(4^+)	≤ 60		2, 5
6.353 ± 10		≤ 60		5
7.059 ± 10	$(1^-, 2^+)$	180 ± 50		2
7.713 ± 10		≤ 50		2, 5
7.910 ± 10	$(1^-, 2^+)$	≤ 50		2
7.950 ± 10		≤ 60		5
8.086 ± 10		≤ 50		2
8.500 ± 30		≤ 120		2
9.201 ± 9		≤ 50		5

^a See also [Table 18.23](#).