

Table 18.22 from (1978AJ03): Energy levels of ^{18}Ne ^a

E_x (MeV \pm keV)	$J^\pi; T$	τ or $\Gamma_{\text{c.m.}}$ (keV)	Decay	Reactions
0	$0^+; 1$	$\tau_{1/2} = 1672 \pm 5$ msec	β^+	1, 2, 5, 6
1.8873 ± 0.2	2^+	$\tau_m = 0.67 \pm 0.06$ psec	γ	2, 6
3.3762 ± 0.4	4^+	$\tau_m = 4.4 \pm 0.6$ psec	γ	2, 3, 6
3.5763 ± 2.0	0^+	$\tau_m = 4 \pm 2$ psec	γ	2, 6
3.6164 ± 0.6	2^+	$\tau_m = 63^{+30}_{-20}$ fsec	γ	2, 6
4.519 ± 8	1^-	$\Gamma \leq 40$	(p)	2, 6
4.590 ± 8	0^+	≤ 40	(p)	2, 6
5.085 ± 10	$(2^+, 3^-)$	≤ 60	(p)	2, 6
5.140 ± 10	(3^-)	≤ 50		2, 6
5.453 ± 10		≤ 50		6
6.297 ± 10		180 ± 60		2, 6
6.353 ± 10		≤ 60		6
7.059 ± 10	2^+	180 ± 50		2
7.713 ± 10		≤ 50		2, 6
7.910 ± 10		≤ 50		2
7.950 ± 10		≤ 60		6
8.086 ± 10		≤ 50		2
8.500 ± 30		≤ 120		2
9.201 ± 9		≤ 50		6

^a See also [Table 18.24](#).