

Table 18.12 from (1978AJ03): Lifetime measurements of some ^{18}F states ^a

$^{18}\text{F}^*$ (MeV)	τ_m	Reaction	Refs.
0.94	68 ± 7 psec	$^3\text{H}(^{16}\text{O}, \text{n})$	(1966AL04)
	68.3 ± 3.1 psec	$^{16}\text{O}(^3\text{He}, \text{p})$	(1974BR04)
	65.4 ± 5.3 psec	$^3\text{H}(^{16}\text{O}, \text{n})$	(1974CO01)
	67.6 ± 2.5 psec		mean
1.04	4_{-2}^{+3} fsec	$^{18}\text{O}(\text{p}, \text{n})$	(1967BL18)
1.08	30 ± 3 psec	$^3\text{H}(^{16}\text{O}, \text{n})$	(1966AL04)
	26.1 ± 2.3 psec	$^3\text{H}(^{16}\text{O}, \text{n})$	(1974CO01)
	27.5 ± 1.9 psec		mean
1.12	218 ± 9 nsec		mean value ^a
	199 ± 14 nsec	$^{19}\text{F}(\text{n}, 2\text{n})$	(1972AD01)
	218 ± 8 nsec ^A	$^{17}\text{O}(\text{p}, \gamma)$	(1972BE37)
1.70	0.86 ± 0.20 psec	$^{16}\text{O}(^3\text{He}, \text{p})$	(1966OL03)
	1.16 ± 0.12 psec	$^3\text{H}(^{16}\text{O}, \text{n})$	(1973WA19)
	1.30 ± 0.40 psec	$^{16}\text{O}(^3\text{He}, \text{p})$	(1973RO05) ^b
	1.05 ± 0.30 psec		
	1.09 ± 0.10 psec		mean
2.10	4.3 ± 1.4 psec	$^{16}\text{O}(^3\text{He}, \text{p})$	(1966OL03) ^a
2.52	0.65 ± 0.13 psec	$^{16}\text{O}(^3\text{He}, \text{p})$	(1966OL03, 1967WA06)
	0.73 ± 0.18 psec	$^{16}\text{O}(^3\text{He}, \text{p})$	(1973RO05)
	0.75 ± 0.12 psec	$^{14}\text{N}(\alpha, \gamma)$	(1973RO05)
	0.68 ± 0.11 psec		mean
3.06	< 1.5 fsec	$^{14}\text{N}(\alpha, \gamma)$	(1972RO24)
3.13	0.32 ± 0.10 psec	$^{16}\text{O}(^3\text{He}, \text{p})$	(1967WA06, 1972RO04)
3.36	$0.55_{-0.15}^{+0.20}$ psec	$^{16}\text{O}(^3\text{He}, \text{p})$	(1967WA06)
	0.46 ± 0.10 psec	$^{16}\text{O}(^3\text{He}, \text{p})$	(1966OL03)
	0.50 ± 0.10 psec	$^{14}\text{N}(\alpha, \gamma)$	(1973RO05)
	0.49 ± 0.07 psec		mean
3.72	4 ± 2 fsec	$^{17}\text{O}(\text{p}, \gamma)$	(1973RO04)
3.79	224 ± 35 fsec	$^{14}\text{N}(\alpha, \gamma), ^{17}\text{O}(\text{p}, \gamma)$	(1973RO06) ^b
3.84	29 ± 9 fsec	$^{17}\text{O}(\text{p}, \gamma)$	(1973RO06)
4.12	91 ± 22 fsec	$^{17}\text{O}(\text{p}, \gamma)$	(1973RO06)

Table 18.12 from (1978AJ03): Lifetime measurements of some ^{18}F states ^a (continued)

$^{18}\text{F}^*$ (MeV)	τ_m	Reaction	Refs.
4.23	110 ± 15 fsec	$^{17}\text{O}(\text{p}, \gamma)$	(1973RO06)
4.36	27 ± 10 fsec	$^{17}\text{O}(\text{p}, \gamma)$	(1973RO04)
4.40	58 ± 12 fsec	$^{17}\text{O}(\text{p}, \gamma)$	(1973RO06)
4.65	< 10 fsec	$^{17}\text{O}(\text{p}, \gamma)$	(1973RO06)
4.86	66 ± 18 fsec	$^{14}\text{N}(\alpha, \gamma), ^{17}\text{O}(\text{p}, \gamma)$	(1973RO06)
4.96	< 4 fsec	$^{17}\text{O}(\text{p}, \gamma)$	(1973RO06)
5.30	30 ± 5 fsec	$^{14}\text{N}(\alpha, \gamma)$	(1973RO05)
5.50	63 ± 25 fsec	$^{14}\text{N}(\alpha, \gamma), ^{17}\text{O}(\text{p}, \gamma)$	(1973RO06)
5.79	15 ± 10 fsec	$^{14}\text{N}(\alpha, \gamma)$	(1973RO06)

A = adopted.

^a See also Table 18.15 in (1972AJ02).

^b See also (1973RO04).