

Table 18.15 from (1987AJ02):
Lifetime measurements of some ^{18}F states

$^{18}\text{F}^*$ (MeV)	$J^\pi; T$	τ_m	Refs.
0.94	$3^+; 0$	67.6 ± 2.5 psec	mean ^a
1.04	$0^+; 1$	2.7 ± 0.4 fsec	^b
		<u>2.2 ± 0.6 fsec</u>	(1983CA21)
		2.55 ± 0.45 fsec	see (1983CA21) ^c
1.08	$0^-; 0$	27.5 ± 1.9 psec	mean ^a
1.12	$5^+; 0$	234 ± 10 nsec	mean ^b
1.70	$1^+; 0$	0.971 ± 0.30 psec	(1982BA40)
		<u>0.897 ± 0.057 psec</u>	(1983MO16) ^d
		0.955 ± 0.027 psec	mean
2.10	$2^-; 0$	5.12 ± 0.56 psec	(1982BA40)
		<u>4.93 ± 0.78 psec</u>	(1983MO16)
		5.06 ± 0.46 psec	mean
2.52	$2^+; 0$	0.605 ± 0.029 psec	(1982BA40)
		<u>0.554 ± 0.045 psec</u>	(1983MO16)
		0.590 ± 0.024 psec	mean
3.06	$2^+; 1$	< 1.2 fsec	(1982BA40) ^{a,e}
3.13	$1^-; 0$	0.403 ± 0.018 psec	(1982BA40)
		<u>0.343 ± 0.022 psec</u>	(1983MO16)
		0.39 ± 0.02 psec ^A	
3.36	$3^+; 0$	0.435 ± 0.041 psec	(1982BA40)
		<u>0.451 ± 0.034 psec</u>	(1983MO16)
		0.44 ± 0.03 psec ^A	
3.72	$1^+; 0$	4 ± 2 fsec	(1973RO04)
		$2.7^{+4.1}_{-2.7}$ fsec ^A	(1982BA40) ^e
3.79	$3^-; 0$	1.91 ± 0.17 psec	(1982BA40)
		<u>1.90 ± 0.20 psec</u>	(1983MO16)
		1.91 ± 0.13 psec	mean
3.84	$2^+; 0$	17.4 ± 3.6 fsec	(1982BA40)
		<u>21 ± 4 fsec</u>	(1983MO16)
		19.0 ± 2.7 fsec	mean

Table 18.15 from (1987AJ02):
Lifetime measurements of some ^{18}F states (continued)

$^{18}\text{F}^*$ (MeV)	$J^\pi; T$	τ_m	Refs.
4.12	$3^+; 0$	91 ± 22 fsec	(1973RO06)
4.23	$2^-; 0$	110 ± 15 fsec	(1973RO06)
4.36	$1^+; 0$	27 ± 10 fsec	(1973RO06)
4.40	$4^-; 0$	58 ± 12 fsec	(1973RO06)
4.65	$4^+; 1$	< 10 fsec	(1973RO06)
4.85	$5^-; 0$	5.2 ± 0.9 psec	(1982KO24)
4.86	$1^-; 0$	66 ± 18 fsec	(1973RO06)
4.96	$2^+; 1$	< 4 fsec	(1973RO06)
5.30	$4^+; 0$	30 ± 5 fsec	(1973RO05)
5.50	$3^{(-)}; 0$	63 ± 25 fsec	(1973RO06)
5.79	$2^-; 0$	15 ± 10 fsec	(1973RO06)

A = adopted.

^a See Table 18.12 in (1978AJ03).

^b See Table 18.13 in (1983AJ01).

^c See also (1985KE1C).

^d See also (1982MO09).

^e See also (1983MO16).