

Table 19.10 from (1972AJ02): Lifetimes of some  $^{19}\text{F}$  states

$^{19}\text{F}^*$ (MeV)	$\tau_m$	Refs.
0.110 <sup>a</sup>	$0.52 \pm 0.13$ nsec	(1960ST17)
	$1.3 \pm 0.2$ nsec	(1962BO1A, 1962SE12)
	$0.92 \pm 0.04$ nsec	(1963GA14)
	$0.87 \pm 0.14$ nsec	(1963VA01, 1963VA12)
	$0.84 \pm 0.04$ nsec	(1965BO28)
	$0.91 \pm 0.05$ nsec	(1969ME13)
	$0.847 \pm 0.010$ nsec	(1969NI09)
0.197 <sup>a</sup>	$0.853 \pm 0.010$ nsec	mean of last five values
	$100 \pm 20$ nsec	(1954JO21)
	$125 \pm 25$ nsec	(1956JO35)
	$114 \pm 25$ nsec	(1960ST17)
	$129.9 \pm 2.3$ nsec	(1967BE14)
	$128 \pm 2$ nsec	(1968KL05)
1.35 <sup>b</sup>	$128.8 \pm 1.5$ nsec	mean of last two values
	$5.2 \pm 0.9$ psec	(1968PA11)
	$4.7 \pm 0.6$ psec	(1969JO10)
	$5.3^{+1.5}_{-0.9}$ psec	(1969PO03)
	$3.5^{+1.5}_{-1.1}$ psec	A
1.46 <sup>c</sup>	$4.8 \pm 0.4$ psec	mean
	$62 \pm 20$ fsec	(1964BO22)
	$102 \pm 35$ fsec	(1968TOZU)
	$57 \pm 24$ fsec	(1969PO03)
	$100 \pm 20$ fsec	A
1.55 <sup>d</sup>	$78 \pm 12$ fsec	mean value
	$\leq 30$ fsec	(1968TOZU)
	$< 17$ fsec	(1969PO03)
2.78	$4.4^{+2.4}_{-2.0}$ fsec	“best” value: see (1969PO03)
	$< 190$ fsec	(1968RO07)
	$246 \pm 44$ fsec	(1968TO11, 1968TOZU)
	$300 \pm 60$ fsec	(1969JA09)
	$270 \pm 40$ fsec	A

Table 19.10 from (1972AJ02): Lifetimes of some  $^{19}\text{F}$  states (continued)

$^{19}\text{F}^*$ (MeV)	$\tau_m$	Refs.
	$230 \pm 60$ fsec	see (1969JA09)
	$261 \pm 24$ fsec	mean of the last four values
3.91	$\leq 20$ fsec	A
4.00	$23 \pm 10$ fsec	A
4.03	$60 \pm 15$ fsec	A
	$87 \pm 16$ fsec	B
4.555, 4.558	$\leq 20$ fsec	A
4.65	$2.3 \pm 0.5$ psec	(1969BH01)
	$2.1 \pm 0.4$ psec	(1969JA09)
	$2.2 \pm 0.3$ psec	mean
4.68	$15.4 \pm 3.0$ fsec	(1972RO01)
5.34	$\leq 15$ fsec	(1969PO03)
5.46	$\leq 19$ fsec	(1969PO03)
5.50	$\leq 43$ fsec	(1969PO03)

A: Bharuth-Ram, Jackson, Jelley, Lawson and Allen, private communication.

B: W.R. Dixon and R.S. Storey, private communication.

<sup>a</sup> See also (1964LI1B).

<sup>b</sup> See also (1968TOZU, 1971NI05).

<sup>c</sup> See also (1971NI05).

<sup>d</sup> See also (1967WA13, 1969NI09).