

Table 19.17 from (1972AJ02): Branching in $^{19}\text{O}(\beta^-)^{19}\text{F}$ ^a

Decay to $^{19}\text{F}^*$	J^π	Branch (%)	$\log ft$	Refs.
0	$\frac{1}{2}^+$	≤ 4	≥ 6.5	(1959AL06, 1959JO26)
0.110 ^b	$\frac{1}{2}^-$	$0.048^{+0.012}_{-0.033}$	$10.16^{+0.51}_{-0.10}$ ^e	(1970CO22)
0.197 ^c	$\frac{5}{2}^+$	41.5^{+2}_{-5}	$5.42^{+0.06}_{-0.03}$ ^f	(1959AL06)
1.35	$\frac{5}{2}^-$		≥ 7.1	(1959JO26)
1.46	$\frac{3}{2}^-$		≥ 6.7	(1959JO26)
1.55 ^d	$\frac{3}{2}^+$	58.5 ± 2	4.59 ± 0.03 ^f	(1959AL06)
2.78	$\frac{9}{2}^+$	≤ 0.15	> 7.4	(1959AL06, 1966OL01)
4.39	$\frac{7}{2}^+$	0.16 ± 0.012	3.60 ^f	(1966OL01)

^a See also (1959AJ76).

^b $E_\gamma = 111.5 \pm 1.5$ keV (1954JO21), 112 ± 2 keV (1959JO26).

^c $E_\gamma = 199.6 \pm 1.5$ keV (1954JO21).

^d $E_x = 1.5539 \pm 0.0013$ MeV (1966AL12).

^e $\log f_1 t$ (1970CO22).

^f Based on Q_m and $\tau_{1/2} = 26.91 \pm 0.08$ sec: see ¹⁹O, reaction 1 (B.A. Zimmerman, private communication).