Table 19.12 from (1972AJ02): Resonances in ^{18}O(p, γ)^{19}F [a]

E_p (keV)	Γ_{lab} (keV)	J^π	E_x (keV)	Refs.
629.6 ± 0.3	2.0 ± 0.3	$\frac{3}{2}^+$	8.5892	(1959BU05, 1962NE03, 1963HU07, 1969DU1A)
848 ± 2	40 ± 5	$\frac{3}{2}$	8.796	(1959BU05, 1962NE03, 1963HU07, 1965AL20)
1166.5 ± 0.4	$(25 \pm 24) \times 10^{-3}$	$\frac{7}{2}^+$ [b]	9.0976	(1959BU05, 1963HU07, 1969DU1A)
1398 ± 3	4		9.317	(1959BU05, 1962NE03, 1963HU07)
1685 ± 5 [d]	< 15		(9.589)	(1959BU05)
1769 ± 2	4.0 ± 1.0	$\frac{3}{2}^+$	9.668	(1959BU05, 1962NE03, 1969WO1F)
1778			(9.677)	(1962NE03)
1790			(9.688)	(1962NE03)
1928.4 ± 0.6 [c]	0.3 ± 0.05	$\frac{5}{2}$ [f]	9.819	(1959BU05, 1962NE03, 1969DU1A, 1969WO1F)
2263.0 ± 0.7	5.0 ± 1.0	$\frac{3}{2}^-$	10.136	A, (1962NE03, 1969DU1A)
2.36 [e]			(10.23)	(1962NE03)
2.39	47 ± 10		(10.26)	(1962NE03)
2.41	10 ± 5		(10.28)	(1962NE03)
2.44			(10.30)	(1962NE03)
(2.60)			(10.45)	(1962NE03)
(2.66)			(10.51)	(1962NE03)
(2.68)			(10.53)	(1962NE03)
(2.73)			(10.58)	(1962NE03)
2.77			(10.62)	(1962NE03)
(2.80)			(10.64)	(1962NE03)
(2.84)			(10.68)	(1962NE03)

A: M.R. Wormald and I.F. Wright, private communication.

[a] See also Table 19.9.

[b] Most probable value, although $J^\pi = \frac{9}{2}^+$ is also possible: see text. $T = \frac{3}{2}$ (1965AL20).

[c] Γ_γ and Γ_p are $\lesssim$ few eV (1969DU1A).

[d] See, however, (1962NE03).

[e] See (1962NE03) for additional resonant structure between $E_p = 2.33$ and 2.78 MeV.

[f] From γ-ray angular distributions (I.F. Wright, private communication).