

Table 20.14 from (1959AJ76): Resonance parameters in $^{19}\text{F} + \text{p}$ ^c (1955BA1C)

E_p (keV)	J^π	θ^2 ^a (%)					
		p_0	p_1	p_2	α_1	α_2	α_3
340	1 ⁺	3.8	< 15		18.8	1.0	7.2
598	2 ⁻	0.38	< 28	< 145	31	< 0.5	< 5.1
669	1 ⁺	9.6	0.6	< 0.4	0.26	0.005	0.27
843	0 ⁺	10.8	≈ 0.14	< 0.92			
873	2 ⁻	1.5	< 0.07	2.7	1.05 ^b	1.45 ^b	3.4
935	1 ⁺	0.44	5.0	< 0.8	3.3	0.34	2.3
1260	3 ⁺						
1346	2 ⁻	0.07 ^b	0.92	0.24	0.36	0.21 ^b	2.1
1372	2 ⁻	0.52 ^b	1.93	0.56	1.7 ^b	0.34 ^b	0.86
1422	1 ⁺	0.92	0.56	< 0.11		total < 0.034	

^a p_0, p_1, p_2 represent transitions to $^{19}\text{F}(0), (0.1), (0.2)$. $\alpha_1, \alpha_2, \alpha_3$ represent transitions to $^{16}\text{O}(6.1), (6.9), (7.1)$.

^b Assuming lowest possible values of l ; see (1957MA1A).

^c See also (1958IS11).