

Table 20.25 from (1972AJ02): Resonance parameters in  $^{19}\text{F} + \text{p}$  <sup>c</sup> (1955BA1C)

$E_p$ (keV)	$J^\pi$	$\theta^2$ <sup>a</sup> (%)					
		$p_0$	$p_1$	$p_2$	$\alpha_1$	$\alpha_2$	$\alpha_3$
340	1 <sup>+</sup>	3.8	< 15		18.8	1.0	7.2
598	2 <sup>-</sup>	0.38	< 28	< 145	31	< 0.5	< 5.1
669	1 <sup>+</sup>	9.6	0.6	< 0.4	0.26	0.005	0.27
843	0 <sup>+</sup>	10.8	$\approx 0.14$	< 0.92			
873	2 <sup>-</sup>	1.5	< 0.07	2.7	1.05 <sup>b</sup>	1.45 <sup>b</sup>	3.4
935	1 <sup>+</sup>	0.44	5.0	< 0.8	3.3	0.34	2.3
1260	3 <sup>+</sup>						
1346	2 <sup>-</sup>	0.07 <sup>b</sup>	0.92	0.24	0.36	0.21 <sup>b</sup>	2.1
1372	2 <sup>-</sup>	0.52 <sup>b</sup>	1.93	0.56	1.7 <sup>b</sup>	0.34 <sup>b</sup>	0.86
1422	1 <sup>+</sup>	0.92	0.56	< 0.11		total < 0.034	

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

<sup>b</sup> Assuming lowest possible values of  $l$ ; see (1957MA1A).

<sup>c</sup> See also (1958IS11).