

Table 20.24 from (1987AJ02):
Nuclear pair resonances (α_π) in $^{19}\text{F}(\text{p}, \alpha_\pi)$ ^a

E_p (keV)	Γ_{lab} (keV)	σ (mb)	θ_α^2 (%)	J^π	$^{20}\text{Ne}^*$ (MeV)
710	35	≈ 0.2	2	1^-	13.522
780	≈ 10	≈ 0.2	0.15	2^+	13.589
842	23	3.4	0.27	2^+ ^c	13.648
1115	50	1.5	3.6	2^+	13.907
1236	≈ 70	3	1.0	1^-	14.022
1367	30	6.0	0.29	2^+	14.146
1640	60			1^-	14.41
1720	95	≈ 18		0^+	14.48
1850	170			1^-	14.60
1896	25			0^+	14.65
2080 ^b	60	12.1		(2^+)	14.82
2170 ^b	70	12.2		(0^+)	14.91
2330 ^b	70	17.0		(2^+)	15.06
2600	100				15.32
2680	100				15.39
2820	125				15.53
3120	145				15.81
3340	100				16.02
(3500)	(80)				(16.17)
(3590)	(115)				(16.26)
3960	200				16.61
4360	95				16.99
4690	< 150				17.30
4900	115				17.50
4990	40				17.59
5170	220				17.76

^a For references see Tables 20.32 in (1978AJ03) and 20.29 in (1983AJ01). See also (1985OU01, 1986OU01).

^b (1980CU09); see also for partial widths.

^c See footnote ^c in Table 20.23.