Table 20.13 from (1959AJ76):
Resonances for $6 - 7$ MeV γ-rays (α_1, α_2, α_3) in ^{19}F(p, α)^{16}O

$E_{\rm p}$ (keV)	Γ (keV)	σ [g] (mb)	Γ_{α_1} [j] (eV)	Γ_{α_2} [j] (eV)	Γ_{α_3} [j] (eV)	J^π	^{20}Ne* (MeV)
224.4 [d]	1.0	> 0.2					13.086
340.5 ± 0.3 [a]	3.3 ± 0.2	160	2800	16	75	1^+ [h]	13.196
483.6 [d]	0.9 ± 0.1	> 32	≈ 1700	≈ 30	≈ 450		13.332
596.8 ± 1.0 [b]	30.0 ± 3	7.1	37000	< 100	< 100	(2^-) [i]	13.440
671.6 ± 0.7 [b]	6.0 ± 0.7	57	110	0.4	25	1^+	13.511
834.8 ± 0.9 [b]	6.5 ± 1.0	19	total ≈ 5400				13.667
874.0 ± 1.0 [c]	5.0 ± 0.3	540	2400	850	300	2^-	13.703
902.3 ± 0.9 [b]	5.1 ± 1.0	23	≈ 2500	< 130			13.730
935.1 ± 0.9 [b]	8.6 ± 0.5	180	2800	110	780	1^+	13.761
1090 ± 1.0 [b]	0.7 ± 0.3	> 13					13.909
(1123 ± 2.0) [b]	22 ± 5						(13.94)
1140 ± 1.0 [b]	2.5 ± 5	15	total ≈ 1600				13.956
1189 ± 7.0 [b]	110 ± 20	19					14.003
1283 ± 1.4 [b]	18.6 ± 1.0	29	≈ 13000	≈ 1300	≈ 3200	(3^+)	14.092
1348 ± 1.3 [b,e]	5.6 ± 0.5	89	1800	450	1050	2^-	14.154
1375 ± 1.4 [b,e]	11.0 ± 1.0	300	9100	840	520	2^-	14.179
(1607 ± 1.6) [b]	6.0 ± 1.0						14.380
1694 ± 1.7 [b,f]	35.0 ± 3.0						14.482
1949 ± 2.5 [b,f]	40 ± 10						14.725
2030 ± 3.0 [b,f]	120 ± 20						14.802
2320 [f]	85						15.08
2510	30						15.26
2630	90						15.37
2800	60						15.53
3020	30						15.74
3190	80						15.90
3490	40						16.19
3920	30						16.60
4000	110						16.67

Table 20.13 from (1959AJ76):
Resonances for $6 - 7$ MeV γ-rays (α_1, α_2, α_3) in ^{19}F(p, α)^{16}O (continued)

E_p (keV)	Γ (keV)	σ [g] (mb)	Γ_{α_1} [j] (eV)	Γ_{α_2} [j] (eV)	Γ_{α_3} [j] (eV)	J^π	^{20}Ne* (MeV)
4290	50						16.95
4490	30						17.14
4570	30						17.22
4710	30						17.35
4780	35						17.41
4990	20						17.61
5070	35						17.69
5200	70						17.81

[a] (1955BU1A, 1956BU27): see also (1949MO1A, 1952HU1C). (1958BO76 find $\Gamma = 2.4 \pm 0.3$ keV).

[b] (1955HU1A; assignment to this reaction probable but not certain).

[c] Observed values are 872.5 ± 1.8 (1953FA18), 871.3 ± 0.4 (1955BU1A, 1956BU22), 873.5 ± 0.8 (1949HE1A), 872.4 ± 0.4 keV (1958BO76), 874.5 ± 0.9 keV (1955HU1A).

[d] (1952HU1C, 1953HU18, 1958BO76).

[e] (1955KI28).

[f] (1952WI27); these values should be reduced by about 0.2%: see (1955KI28).

[g] (1950CH53): see also (1948BO21).

[h] (1950AR1A, 1950BA1A, 1950CH1A).

[i] (1950CH1A, 1953WI1F).

[j] (1955BA94).