

Table 20.8 from (1972AJ02): Resonances in $^{19}\text{F}(n, \gamma)^{20}\text{F}$ ^a

E_n ^b (keV)	$\sigma(n, \gamma)$ ^c (mb)	Γ_γ (eV)	Γ (keV)	J^π	E_x (MeV)
27	308	1.1 ^e	0.4 ^f	2 ⁻	6.627
48	36	1.6	1.5 ^f	1 ⁻	6.647
100	4.4	2.2	12 ^f	1 ⁻	6.696
177					6.769
270 ^d	1.4	3.9	20	1	6.858
308					6.894
388					6.970
425	0.31	1.5	25	0	7.005
500	0.30	1.9	25	0, 1	7.076
600 ^d	1.8	8.1	15	1	7.171
760	0.11	2.9	60	1	7.323
865	0.11		60		7.423
950	0.06	2.8	95	0	7.503
1125	0.09	3.9	80	1	7.670
1290	0.27	8.6	75	1, 2	7.826
1635	0.07	7.5	180	1	8.154

^a (1959GA08). See also Tables 20.6 and 20.9.

^b (1963MA58) report a resonance at $E_n = 15.5$ keV which (1967BL1J) do not observe. However (1967BL1J) report a narrow resonance at $E_n = 84$ keV.

^c At resonance after correction for resolution.

^d See also (1950HE92).

^e $\Gamma_n = 0.38 \pm 0.10$ keV, $\Gamma_\gamma = 0.55 \pm 0.15$ keV (1963MA58).

^f From σ_t measurements.