

Table 20.24 from (1998TI06): Resonances in $^{19}\text{F}(p, \gamma)^{20}\text{Ne}$ ^a

E_p (keV)	Γ_{cm} (keV)	Γ_{γ_0} (eV)	Γ_{γ_1} (eV)	$^{20}\text{Ne}^*$ (MeV)	$J^\pi; T$
340		< 0.07	0.28 ± 0.06	13.171	
484		≈ 0.05	0.42	13.308	
597 ± 1	29 ± 3	< 0.6	12	13.415	
671 ± 1	5.7 ± 0.7	1.0×10^{-2}	2.2	13.485	1^+
874				13.678	
935				13.736	
980				13.779	
1091	0.8		1.1	13.884	$2^+; 1$
1280				14.063	
1320	3.8			14.101	
1350				14.130	
1370				14.149	
1420	14.9			14.196	
4090 ± 5				16.732^b	$0^+; 2$
5879 ± 7	9.5 ± 2.8	$\Gamma_\gamma \approx 0.3 \text{ eV}$		18.430	$2^+; 2$

^a For earlier references see Tables 20.26 in (1978AJ03) and 20.24 in (1983AJ01). See also Table 20.18 here.

^b Decays $\approx 100\%$ to the $E_x = 11.26 \text{ MeV}$ $J^\pi; T = 1^+; 1$ state with $\Gamma_\gamma \approx 5 \text{ eV}$. See discussion under reaction 29.