

Table 20.24 from (1983AJ01): Resonances in  $^{19}\text{F}(p, \gamma)^{20}\text{Ne}$  <sup>a</sup>

$E_p$ (keV)	$\Gamma_{\text{lab}}$ (keV)	$\Gamma_{\gamma_0}$ (eV)	$\Gamma_{\gamma_1}$ (eV)	$^{20}\text{Ne}^*$ (MeV)	$J^\pi; T$
340 <sup>b</sup>		$< 0.07$	$0.28 \pm 0.06$	13.168	
484 <sup>b</sup>		$\approx 0.05$	0.42	13.304	
$597 \pm 1$ <sup>b</sup>	$30 \pm 3$	$< 0.6$	12	13.412	
$671 \pm 1$ <sup>b,c</sup>	$6.0 \pm 0.7$	$1.0 \times 10^{-2}$	2.2	13.482	$1^+$
874 <sup>b</sup>				13.675	
935 <sup>b</sup>				13.733	
980				13.775	
1091 <sup>b</sup>	0.8		1.1	13.881	$2^+; 1$
1280				14.060	
1320	4.0			14.098	
1350				14.127	
1370				14.146	
1420	15.7			14.193	
$4090 \pm 5$		$\Gamma_\gamma \approx 5$ eV		16.728	$0^+; 2$
$5879 \pm 7$	$10 \pm 3$	$\Gamma_\gamma \approx 0.3$ eV		18.427	$2^+; 2$

<sup>a</sup> For earlier references see [Table 20.26 in \(1978AJ03\)](#). See also [Table 20.18](#) and the text of reaction [33](#).

<sup>b</sup> See [\(1979SU13\)](#).

<sup>c</sup> See also [\(1980BI05\)](#).