

Table 20.23 from (1972AJ02): 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)	Refs.
340		$< 0.07$	$0.28 \pm 0.06$	13.167	(1962KE03)
484		$\approx 0.05$	0.42	13.304	(1963BE19)
597		$< 0.6$	12	13.411	(1963BE19)
668	7.5	$1.0 \times 10^{-2}$	$2.2$ <sup>e</sup>	13.479	(1954SI07, 1955FA1A, 1959KU79, 1960KA18 <sup>f</sup> , 1961ET01, 1961GO21)
874				13.674	(1955FA1A)
935				13.732	(1955FA1A)
980				13.775	(1955FA1A)
1091	$\approx 1$			13.881	(1954SI07, 1955FA1A, 1961ET01, 1961GO21)
1280				14.060	(1955FA1A)
1320 <sup>b</sup>	4.0			14.098	(1954SI07, 1955FA1A)
1350				14.126	(1955FA1A)
1370				14.145	(1955FA1A)
1420	15.7			14.198	(1954SI07, 1955FA1A, 1961ET01)
$4090 \pm 5$ <sup>c</sup>		$\Gamma_\gamma \approx 5$ eV		16.728	(1967KU06)
$5878 \pm 5$ <sup>d</sup>	$11 \pm 3$	$\Gamma_\gamma \approx 0.3$ eV		18.426	(1968LA1H)

<sup>a</sup> See also Table 20.17.

<sup>b</sup> See also (1961ET01).

<sup>c</sup>  $J^\pi = 0^+$ ;  $T = 2$ .

<sup>d</sup>  $J^\pi = 2^+$ ;  $T = 2$ .

<sup>e</sup>  $\Gamma_\gamma$  to  $^{20}\text{Ne}^*(4.97) = 0.12$  eV (1961GO21), 0.24 eV (1960KA18).

<sup>f</sup> Assignment to this reaction probable but not certain.