

Table 20.34 from (1998TI06): Resonances in  ${}^1\text{H}({}^{19}\text{Ne}, {}^{19}\text{Ne}){}^1\text{H}$  <sup>a</sup>

$J^\pi$	Formalism	$E_r$ (keV)	$\gamma$ or $g$ ( $\text{MeV}^{1/2}$ )	$\Gamma$ (keV)	$E_x$ (MeV)
$1^+$	BW	797		19.8	2.996
	R	797	0.92	19.8 <sup>b</sup>	
	K	797	15.6	19.8	
$0^+$	BW	887		35.9	3.086
	R	887	1.00	35.9 <sup>c</sup>	
	K	887	15.8	35.9	

<sup>a</sup> From Table I of (1994CO12). Resonance energies ( $E_r$ ) and widths ( $\Gamma$ ) of the  ${}^{20}\text{Na}$  resonances in the cm system;  $E_r$ ,  $E_x$  and  $\Gamma$  are affected by a  $\pm 2$  keV uncertainty;  $\gamma$  and  $g$  are, respectively,  $R$ -matrix and  $K$ -matrix reduced widths amplitudes;  $\Gamma_F$  is the  $R$ -matrix formal width.

<sup>b</sup>  $\Gamma_F = 28.8$  keV ( $R = 4.5$  fm).

<sup>c</sup>  $\Gamma_F = 55.2$  keV ( $R = 4.5$  fm).