

Table 17.6 from (1993TI07): Comparison of  $^{17}\text{N}$  and  $^{17}\text{Ne}$   $\beta$ -decay <sup>a</sup>

Final state in		$J^\pi$	$\Gamma_n$ <sup>b, c</sup> (keV)	$\Gamma_p$ <sup>b</sup> (keV)	$(ft)^-$ <sup>d, e</sup>	$(ft)^+$ <sup>d</sup>	$\delta$ <sup>f</sup>
$^{17}\text{O}$	$^{17}\text{F}$						
3.06	3.10	$\frac{1}{2}^-$	0	19	$(1.2 \pm 0.2) \times 10^7$	$(1.3_{-0.3}^{+0.2}) \times 10^7$	$0.1 \pm 0.3$
4.55	4.70	$\frac{3}{2}^-$	55	230	$(2.57 \pm 0.13) \times 10^4$	$(3.79 \pm 0.07) \times 10^4$	$0.47 \pm 0.08$
5.38	5.52	$\frac{3}{2}^-$	63	69	$(7.2 \pm 0.3) \times 10^3$	$(6.51 \pm 0.12) \times 10^3$	$-0.10 \pm 0.04$
5.94	6.04	$\frac{1}{2}^-$	61	28	$(2.24 \pm 0.16) \times 10^4$	$(3.53 \pm 0.11) \times 10^4$	$0.58 \pm 0.12$

<sup>a</sup> (1988BO39). See also Table 17.4 in (1986AJ04) and see Table 17.3 in (1982AJ01) for references.

<sup>b</sup>  $\Gamma_n$  and  $\Gamma_p$  are the neutron and proton widths of the  $^{17}\text{O}$  and  $^{17}\text{F}$  states, respectively.

<sup>c</sup>  $\Gamma_n$  for  $^{17}\text{O}^*(4.55, 5.08, 5.38, 5.94)$  are reported to be, respectively,  $54.8 \pm 0.4$ ,  $113 \pm 55$ ,  $63.2 \pm 1.1$  and  $60.5 \pm 3.2$  keV.

<sup>d</sup>  $(ft)^-$  and  $(ft)^+$  are for the  $^{17}\text{N}$  and  $^{17}\text{Ne}$  decays, respectively.

<sup>e</sup> See Tables 17.5 and 17.27.

<sup>f</sup>  $\delta \equiv [(ft)^+ / (ft)^-] - 1$ .