

Table 17.11 from (1977AJ02): Decay properties of the lowest  $T = \frac{3}{2}$  states in  $A = 17$  <sup>a</sup>

		$^{17}\text{O}^*(11.076 \pm 0.004)$	$^{17}\text{F}^*(11.1931 \pm 0.0023)$ <sup>c</sup>
$J^\pi$		$\frac{1}{2}^-$	$\frac{1}{2}^-$
$\Gamma_{\text{c.m.}}$ (keV)		$5.0 \pm 1.1$ <sup>b</sup>	$0.20 \pm 0.04$
Branching ratio (%) to $^{16}\text{O}^*$ (MeV)	$J^\pi$		
0	$0^+$	$91 \pm 15$	$8.8 \pm 1.6$
6.05	$0^+$	} $5 \pm 2$	$< 3$
6.13	$3^-$		$22 \pm 2$
6.92	$2^+$		$24 \pm 6$
7.12	$1^-$		$44 \pm 4$
$^{13}\text{C} + \alpha_0$ or $^{13}\text{N} + \alpha_0$		6	$< 7$
Partial widths [ $\Gamma_{\text{p}}$ or $\Gamma_{\text{n}}$ ] to			
$^{16}\text{O}(0)$		$4.5 \pm 1.2$ keV	$19 \pm 3$ eV
$^{16}\text{O}^*(6.05)$		} $0.25 \pm 0.11$ keV	$< 17$ eV
$^{16}\text{O}^*(6.13)$			$95_{-50}^{+30}$ eV <sup>d</sup>
$^{16}\text{O}^*(6.92)$			$100_{-60}^{+40}$ eV <sup>d</sup>
$^{16}\text{O}^*(7.12)$			$190_{-100}^{+60}$ eV <sup>d</sup>
$\Gamma_{\alpha_0}$		0.3 keV	$< 40$ eV
$\Gamma_{\gamma_1}$			$6.0 \pm 2.5$ eV
$\theta^2(\text{g.s.})/\theta^2(6.13)$		$0.31 \pm 0.14$	$0.065 \pm 0.019$

<sup>a</sup> See also Table 2 in (1973AD02) and reaction 63.

<sup>b</sup> (1976MC11).

<sup>c</sup> (1971HA05, 1973AD02, 1974SK02, 1975HA06, 1976HI09).

<sup>d</sup> Note that the total width is  $200 \pm 40$  eV.