

Table 17.11 from (1982AJ01): Decay properties of the lowest $T = \frac{3}{2}$ states in $A = 17$ ^a

	¹⁷ O*(11.0787 ± 0.0008) ^b	¹⁷ F*(11.1928 ± 0.0021) ^c
J^π	$\frac{1}{2}^-$	$\frac{1}{2}^-$
$\Gamma_{\text{c.m.}}$ (keV)	2.4 ± 0.3 ^b	0.20 ± 0.04
Branching ratio (%) to		
¹⁶ O*(MeV) J^π		
0 0^+	81 ± 6 ^e	9.3 ± 1.3
6.05 0^+ } 6.13 3^- } 6.92 2^+ } 7.12 1^-	5 ± 2	< 3 22 ± 2 24 ± 6 44 ± 4
¹³ C + α_0 or ¹³ N + α_0	6	< 7
Partial widths [Γ_p or Γ_n] to		
¹⁶ O(0)	1.88 ± 0.12 keV	19 ± 3 eV
¹⁶ O*(6.05) } ¹⁶ O*(6.13) } ¹⁶ O*(6.92) ¹⁶ O*(7.12)	0.12 ± 0.05 keV	< 8 eV 45 ± 14 eV ^d 49 ± 19 eV ^d 90 ± 27 eV ^d
Γ_{α_0}	0.14 keV	< 19 eV ^d
Γ_{γ_1}		6.0 ± 2.5 eV
$\theta^2(\text{g.s.})/\theta^2(6.13)$	0.31 ± 0.14	0.065 ± 0.019

^a See also Table 2 in (1973AD02) and reaction 63. See also (1978MC04).

^b (1981HI01): $\Gamma_{n_0} = 1.88 \pm 0.12$ keV. See also for IMME parameters for six $T = \frac{3}{2}$ states.

^c (1971HA05, 1973AD02, 1974SK02, 1975HA06, 1976HI09).

^d Note that the total width is 200 ± 40 eV.

^e Weighted mean of 91 ± 15 (1973AD02) and $79 \pm 7\%$ (1981HI01, and F. Hintenberger, private communication).