

$^{18}\text{O}(\text{p},\gamma)$ 1980Wi17

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Tilley, Weller, Cheves, Chasteler		NP A595, 1 (1995)	31-Oct-1994

See [1962Ne03](#) for additional structure above 10.174 MeV.
For γ branchings from these levels see Adopted Levels table.

 ^{19}F Levels

E(level)	J^π	Γ (lab)	$\omega \gamma$ (eV)	Comments
<8108 [†]			0.02×10^{-6} 2	
8136.7 [†] 5	1/2 ⁺	<0.5 keV	0.92×10^{-3} 6	$\Gamma_p = 0.17 \times 10^{-3}$ keV; $\Gamma_\alpha = 0.22$ keV; $\Gamma_\gamma = 0.0013$ keV
8199 [†] 5		<0.8 keV	5.0×10^{-6} 10	
8254 3	$\leq 5/2$	<1.5 keV	3.7×10^{-5} 5	
8310 2	5/2 ⁺	<1 keV	0.95×10^{-3} 8	$\Gamma_\gamma = 0.71 \times 10^{-3}$ keV 17; $\Gamma_p = 0.019 \times 10^{-3}$ keV 9; $\Gamma_\alpha = 0.046$ keV 19
8583 2	5/2 ⁺	<0.5 keV	10×10^{-3} 2	
8590.4 3	3/2 ⁻	2.0 keV 3	0.10 2	$\Gamma_\gamma = 0.85 \times 10^{-3}$ keV 17; $\Gamma_p = 0.224$ keV 43; $\Gamma_\alpha = 3.4$ keV 12
≈8638	3/2	300 keV		
8791 2	1/2 ⁺	48 keV 2	1.4 2	T=3/2
8919 2	3/2	10 keV 2	0.015 2	
9098.8 4	7/2 ⁻		0.29 3	$\omega \gamma$ from 1982Be29 .
9318 2	3/2 ⁺	3.6 keV 8	0.08 1	
9538 2	5/2 ⁺	7 keV 2	0.025 5	
9566 3	3/2 ⁻	27 keV 3	0.041 10	
9576 4	3/2 ⁻	70 keV 3	0.06 1	
9589 4	7/2	8 keV 2	0.025 4	
9668.0 14	3/2 ⁺	3.8 keV 4	1.2 2	
9820.0 6	5/2	0.30 keV 5	2.8 7	
9875 2	11/2 ⁻	<1.5 keV	0.13 4	
9884 4	1/2 ⁺	26 keV 2	0.14 5	
10137.0 7	3/2 ⁻	5.0 keV 10		

[†] [1990Vo06](#).