

Table 18.17 from (1978AJ03): States in ^{18}F from $^{16}\text{O}(^3\text{He}, p\gamma)^{18}\text{F}$ ^a

E_x (keV) ^b	l ^a	$J^\pi; T$ ^c	K^π ^e
0	0	1 ⁺ ; 0	0 ⁺
937.1 ± 0.4	2	3 ⁺ ; 0	0 ⁺
1040.9 ± 0.5	0	0 ⁺ ; 1	
1080.1 ± 0.5		0 ⁻ ; 0	0 ⁻
1119.0 ± 0.6	4	5 ⁺ ; 0	0 ⁺
1701.4 ± 0.7	0	1 ⁺ ; 0	1 ⁺
2099.9 ± 0.6		2 ⁻ ; 0	0 ⁻
2523.4 ± 0.7	2	2 ⁺ ; 0	1 ⁺
3061.2 ± 0.5	2	2 ⁺ ; 1	
3132.8 ± 0.6		1 ⁻ ; 0	1 ⁻
3358.2 ± 1.0		3 ⁺ ; 0	1 ⁺
3725.4 ± 0.8		1 ⁺ ; 0	
3790.6 ± 0.9		3 ⁻ ; 0	1 ⁻
3838.4 ± 0.7	2	2 ⁺ ; 0	
4114.5 ± 0.9		3 ⁺ ; 0	
4225.8 ± 0.7		2 ⁽⁻⁾ ; 0	(1 ⁻)
4361.0 ± 0.7		1 ⁽⁺⁾	
4398.1 ± 0.7		4 ⁻ ; 0	0 ⁻
4652 ± 2	4	4 ⁺ ; 1	
4753 ± 3		(0 ⁺ ; 1)	
4860 ± 2		1 ⁽⁻⁾ ; 0	
4963.6 ± 0.8		2 ⁺ ; 1	
5297.6 ± 1.5		4 ⁺	1 ⁺
5502 ± 2		3 ⁽⁻⁾ ; 0	
5603 ± 2		1 ⁻ ; 0 + 1	
5669 ± 2		1 ⁻ ; 0 + 1	
5785 ± 3		2 ⁻ ; 0	
6097.4 ± 1.4		4 ⁻ ; 0	1 ⁻
6108 ± 3		1, 2, 3 ⁽⁻⁾ ; 0	
6138.3 ± 1.0		0 ⁺ ; 1	
6164.0 ± 1.0		3 ⁺ ; 1	

Table 18.17 from (1978AJ03): States in ^{18}F from $^{16}\text{O}(^3\text{He}, p\gamma)^{18}\text{F}$ ^a (continued)

E_x (keV) ^b	l ^a	$J^\pi; T$ ^c	K^π ^e
6241.2 ± 1.0		3 ⁻ ; 1	
6263 ± 3		1 ⁺	
6284.0 ± 1.0		2 ⁺ ; 0 + 1	
6310.5 ± 0.8		3 ⁺ ; 0	
6383 ± 3		2 ⁺ ; 0 + 1	
6480 ± 2		3 ⁺ ; (0)	
6567.0 ± 1.5		5 ⁺	1 ⁺
6643.0 ± 1.5		2 ⁻ ; 1	
6777 ± 2 ^d		4 ⁺	
6803.0 ± 1.5		1 ⁺ , 2, 3 ⁺ ; (0)	
6878 ± 2		3 ⁽⁻⁾ , 4 ⁻ ; (0)	
e			

^a For earlier results derived from measurements of proton spectra and of γ -rays, see [Table 18.18 in \(1972AJ02\)](#).

^b (1973RO03): γ -ray measurements. See also (1976SE12).

^c See [Table 18.11](#) and (1972RO04, 1973RO03, 1973RO05, 1973RO06).

^d $\Gamma = 22_{-8}^{+6}$ keV (1976SE12).

^e (1968MA33) also report proton groups to states with $E_x = 6.779 \pm 0.007$ [2⁻; 0], 7.206 ± 0.009 [(1⁺)], 7.646 ± 0.014 [$T = 0$], 7.874 ± 0.002 MeV [(2⁻); 0], and seven additional states with $E_x < 11.2$ MeV. (1976SE12) report proton groups to states with $E_x = 7190 \pm 4$, 7398 ± 3 [22 ± 8], 7422 ± 5 [< 15], 7503 ± 5 [43 ± 9], 7578 ± 4 [18 $_{-8}^{+6}$], 7696 ± 7 [41 ± 8], 7877 ± 4 [32 ± 5], 8050 ± 7 [30 ± 10], 8239 ± 6 [34 ± 5], 8791 ± 6 [20 $_{-10}^{+5}$], 9207 ± 9 [35 ± 8], 9312 ± 10 [80 ± 20], 9487 ± 10 [< 12], 9523 ± 40 [55 ± 25] and 9570 ± 10 [35 ± 7] keV [Γ in keV, in brackets].