

Table 19.21 from (1983AJ01):
States of ^{19}F from $^{19}\text{F}(\text{p}, \text{p}')^{19}\text{F}^*$

E_x (keV) ^a	L ^b	β_L ^b	J^π
197.6 ± 0.6	2	0.55	$\frac{5}{2}^+$
1345.8 ± 0.2	3	0.33	$\frac{5}{2}^-$
1458.8 ± 0.3			$\frac{3}{2}^-$
1554.0 ± 0.4	2	0.58	$\frac{3}{2}^+$
2779.8 ± 0.6	4	0.22	$\frac{9}{2}^+$
3907.1 ± 1.0			$\frac{3}{2}^+$
3998.5 ± 0.8			$\frac{7}{2}^-$
4032.5 ± 2			$\frac{9}{2}^-$
4377.7 ± 1.0			$\frac{7}{2}^+$
4548.8 ± 1.0	2	0.20	$\frac{5}{2}^+$
4557.5 ± 1.0			$\frac{3}{2}^-, (\frac{1}{2}^-)$
4682.5 ± 1.2	^c		
5110 ± 10	2	0.15 ^d	$\frac{5}{2}^{(-)}$
5340 ± 10			
5420 ± 10	3	0.45	$\frac{7}{2}^-$
5470 ± 10			
5500 ± 10			
5540 ± 10			
5630 ± 10	^e		
5940 ± 10			
(6080)			
6090 ± 10			
6170 ± 10			
6250 ± 10			
6290 ± 10			
6330 ± 10			

^a For references see Table 19.21 in (1978AJ03).

^b (1974DE46): $E_p = 30$ MeV.

^c (1974DE46) report excitation of a state with $E_x = 4.69$ MeV, $J^\pi = \frac{3}{2}^-$, $L = 3$, $\beta_L = 0.17$.

^d If $L = 2$.

^e (1974DE46) report excitation of a state with $E_x = 5.63$ MeV, $J^\pi = \frac{5}{2}^-$, $L = 3$, $\beta_L = 0.33$.