

Table 19.8 from (1972AJ02):
Levels of ^{19}F from $^{15}\text{N}(\alpha, \alpha_0)^{15}\text{N}$ ^a

E_α (MeV \pm keV)	Γ_{lab} (keV)	J^π	E_x (MeV)
1.878 ± 10	4	$\frac{3}{2}^+$	5.495
2.614 ± 10	1.5	$\frac{5}{2}^+$	6.076
2.635 ± 10	5	$\frac{5}{2}^-$	6.093
2.833 ± 10	10	$\frac{1}{2}^+$	6.249
2.883 ± 10	3	$\frac{5}{2}^+$	6.288
2.944 ± 10	3	$\frac{7}{2}^+$	6.336
3.07	360	$\frac{1}{2}^-$	6.44
3.194 ± 10	5	$\frac{1}{2}^+$	6.534
3.229 ± 10	2	$\frac{5}{2}^+$	6.561
3.525 ± 10	3	$\frac{3}{2}^-$	6.795
3.587 ± 10	1.5	$(\frac{5}{2}, \frac{3}{2})^+$	6.844
3.648 ± 10	35	$\frac{5}{2}^-$	6.892
3.705 ± 10	3	$(\frac{9}{2}, \frac{7}{2})^-$	6.937
3.78	64	$\frac{1}{2}^-$	7.00
3.92	≈ 40	$\frac{7}{2}^+$	7.11
3.94	≈ 10	$\frac{3}{2}^+$	7.12
4.127 ± 10	≈ 8		7.270
4.22	≈ 80		7.34
4.49	≈ 90		7.56
(4.53)			(7.59)
4.700 ± 10	≈ 30		7.722
4.780 ± 10	≈ 8		7.785
4.93	≈ 260		7.90
(5.005)	(≈ 8)		(7.963)
(5.018)	(≈ 5)		(7.973)
5.116 ± 10	≈ 8		8.050
5.203 ± 10	≈ 8		8.119
5.232 ± 10	≈ 6		8.142
5.25	≈ 65		8.156
5.284 ± 10	≈ 10		8.183
5.481 ± 10	≈ 10		8.339

^a (1959SM02, 1961SM02).