

Table 19.16 from (1987AJ02): Resonances in $^{18}\text{O}(p, n)^{18}\text{F}$ ^a

E_p (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	Res. in yield of ^b	$J\pi$	E_x in ^{19}F (MeV)
2.643 ± 1.0	6.2 ± 0.5	n	$(\frac{3}{2})$	10.497
2.691 ± 1.0	2.5 ± 0.2	n		10.542
2.717 ± 1.0	5.2 ± 0.5	n		10.567
2.767 ± 1.5	4.7 ± 0.5	n	$\frac{5}{2}^{(+)}$	10.614
2.923 ± 4	6 ± 3	n		10.762
3.025 ± 2.0	24.0 ± 1.5	n	$\frac{3}{2}$	10.859
(3.08 ± 20)	≈ 60	n		(10.91)
3.148 ± 3	14 ± 2	n		10.975
3.164 ± 2.5	7 ± 2	n		10.990
3.250 ± 2.5	35 ± 4	n	$\frac{3}{2}$	11.072
3.370 ± 4	17 ± 4	n		11.185
3.463 ± 3	7 ± 2	n		11.273
3.470 ± 15	70 ± 20	n		11.280
3.653 ± 4	40 ± 10	n, n ₁		11.453
3.680 ± 5	7 ± 3	n		11.479
3.705 ± 5	4 ± 2	n, n ₁		11.502
3.748 ± 15	50 ± 15	n		11.543
3.775 ± 7	15 ± 10	n, n ₂	$(T = \frac{3}{2})$	11.569
(3.79 ± 20)	60 ± 20	n		(11.58)
3.863 ± 4	45 ± 10	n, n ₁		11.652
4.00		n ₁ , n ₃		(11.78)
4.06 ± 10 ^c	< 50	n, n ₁		11.84
4.11		n ₁		(11.89)
4.16 ± 10	90	n, n ₁		11.93
4.33		n ₁ , n ₃		(12.09)
4.37 ± 10	100	n, n ₁ , n ₂		12.13
4.47	50	n, n ₁ , n ₂ , n ₃		12.23
4.58 ± 10 ^d		n ₁		(12.33)
4.70		n ₃		(12.44)
4.83		n ₁ , n ₂ , n ₃		(12.57)
4.90		n ₂		(12.63)

Table 19.16 from (1987AJ02): Resonances in $^{18}\text{O}(\text{p}, \text{n})^{18}\text{F}$ ^a (continued)

E_p (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	Res. in yield of ^b	J^π	E_x in ^{19}F (MeV)
5.05 \pm 10	200	n, n ₁ , n ₂		12.78
5.10		n ₁ , n ₂		(12.82)
5.20		n ₂ , n ₃		(12.92)
5.35		n, n ₁ , n ₂ , n ₃		13.06
5.47 \pm 15	70	n, n ₁		13.17
5.622 \pm 15	30	n, n ₁ , n ₂	($T = \frac{3}{2}$)	13.317
5.76		n ₁ , n ₃		(13.45)
6.061 \pm 15	50	n, n ₁ , n ₂	($T = \frac{3}{2}$)	13.73
6.60 \pm 15	350	n		14.24
(6.70 \pm 15)		n		(14.34)
7.17 \pm 20	300	n		14.78
7.40 \pm 20		n		15.00
(7.8)		n		(15.4)
(7.98)		n		(15.55)
8.19 \pm 25	150	n		15.75
8.74 \pm 25	200	n		16.27
9.30 \pm 30		n		16.80

^a See [Table 19.16 in \(1978AJ03\)](#) for the references.

^b n means total yield.

^c Errors here and below are estimated from published data of ([1964BA16](#)) by H.B. Willard, private communication.

^d See also ([1982DI11](#)).