

Table 19.17 from (1983AJ01): Resonances in  $^{18}\text{O}(p, n)^{18}\text{F}$  <sup>a</sup>

$E_p$ (MeV $\pm$ keV)	$\Gamma_{\text{c.m.}}$ (keV)	Res. in yield of <sup>b</sup>	$J\pi$	$E_x$ in $^{19}\text{F}$ (MeV)
$2.643 \pm 1.0$	$6.2 \pm 0.5$	n	$(\frac{3}{2})$	10.496
$2.691 \pm 1.0$	$2.5 \pm 0.2$	n		10.542
$2.717 \pm 1.0$	$5.2 \pm 0.5$	n		10.566
$2.767 \pm 1.5$	$4.7 \pm 0.5$	n	$\frac{5}{2}^{(+)}$	10.613
$2.923 \pm 4$	$6 \pm 3$	n		10.761
$3.025 \pm 2.0$	$24.0 \pm 1.5$	n	$\frac{3}{2}$	10.858
$(3.08 \pm 20)$	$\approx 60$	n		(10.91)
$3.148 \pm 3$	$14 \pm 2$	n		10.974
$3.164 \pm 2.5$	$7 \pm 2$	n		10.989
$3.250 \pm 2.5$	$35 \pm 4$	n	$\frac{3}{2}$	11.071
$3.370 \pm 4$	$17 \pm 4$	n		11.184
$3.463 \pm 3$	$7 \pm 2$	n		11.272
$3.470 \pm 15$	$70 \pm 20$	n		11.279
$3.653 \pm 4$	$40 \pm 10$	n, n <sub>1</sub>		11.452
$3.680 \pm 5$	$7 \pm 3$	n		11.478
$3.705 \pm 5$	$4 \pm 2$	n, n <sub>1</sub>		11.502
$3.748 \pm 15$	$50 \pm 15$	n		11.542
$3.775 \pm 7$	$15 \pm 10$	n, n <sub>2</sub>	$(T = \frac{3}{2})$	11.568
$(3.79 \pm 20)$	$60 \pm 20$	n		(11.58)
$3.863 \pm 4$	$45 \pm 10$	n, n <sub>1</sub>		11.651
4.00		n <sub>1</sub> , n <sub>3</sub>		(11.78)
$4.06 \pm 10$ <sup>c</sup>	$< 50$	n, n <sub>1</sub>		11.84
4.11		n <sub>1</sub>		(11.89)
$4.16 \pm 10$	90	n, n <sub>1</sub>		11.93
4.33		n <sub>1</sub> , n <sub>3</sub>		(12.09)
$4.37 \pm 10$	100	n, n <sub>1</sub> , n <sub>2</sub>		12.13
4.47	50	n, n <sub>1</sub> , n <sub>2</sub> , n <sub>3</sub>		12.23
$4.58 \pm 10$ <sup>d</sup>		n <sub>1</sub>		(12.33)
4.70		n <sub>3</sub>		(12.44)
4.83		n <sub>1</sub> , n <sub>2</sub> , n <sub>3</sub>		(12.57)
4.90		n <sub>2</sub>		(12.63)

Table 19.17 from (1983AJ01): Resonances in  $^{18}\text{O}(\text{p}, \text{n})^{18}\text{F}$  <sup>a</sup> (continued)

$E_p$ (MeV $\pm$ keV)	$\Gamma_{\text{c.m.}}$ (keV)	Res. in yield of <sup>b</sup>	$J^\pi$	$E_x$ in $^{19}\text{F}$ (MeV)
5.05 $\pm$ 10	200	n, n <sub>1</sub> , n <sub>2</sub>		12.77
5.10		n <sub>1</sub> , n <sub>2</sub>		(12.82)
5.20		n <sub>2</sub> , n <sub>3</sub>		(12.92)
5.35		n, n <sub>1</sub> , n <sub>2</sub> , n <sub>3</sub>		13.06
5.47 $\pm$ 15	70	n, n <sub>1</sub>		13.17
5.622 $\pm$ 15	30	n, n <sub>1</sub> , n <sub>2</sub>	( $T = \frac{3}{2}$ )	13.317
5.76		n <sub>1</sub> , n <sub>3</sub>		(13.45)
6.061 $\pm$ 15	50	n, n <sub>1</sub> , n <sub>2</sub>	( $T = \frac{3}{2}$ )	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

<sup>a</sup> See [Table 19.16 in \(1978AJ03\)](#) for the references.

<sup>b</sup> n means total yield.

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