Table 19.6 from (1995TI07): Resonances in ^{18}O(n, n)^{18}O [a]

E_{res} (MeV $\pm$ keV)	$\Gamma_{c.m.}$ (keV)	^{19}O* (MeV)	J^π
0.67	52 ± 3 [b]	4.59	$\frac{3}{2}^-$
1.18	49 ± 5 [b]	5.07	$\frac{1}{2}^-$
1.256 ± 10 [b]	3.4 ± 1.0 [b]	5.146	$\geq \frac{5}{2}^{(+)}$
1.42 [c]		5.30	$\frac{3}{2}^-$
1.67	490	5.54	$\frac{3}{2}^+$
1.840 ± 10 [b]	7.8 ± 1.4 [b]	5.699	$\frac{7}{2}^-$, $\frac{5}{2}$
2.22	110	6.06	$\frac{3}{2}^+$
2.45	19.2 ± 2.4 [b]	6.28	$\frac{7}{2}^-$
6.00		9.64	$\frac{7}{2}^-$
6.21		9.84	$\frac{7}{2}^-$
6.60		10.21	$\frac{7}{2}^-$
7.08 [d]		10.66	$\frac{7}{2}^-$

[a] These data are from a multi-level R-matrix re-analysis by (1986KO10) of the work displayed in Table 19.4 of (1978AJ03), together with unpublished σ_t data by G.F. Auchampaugh, and $\sigma(\theta)$ for n_0 and n_1 for $5.0 < E_n < 7.5$ MeV. Uncertainties in E_x and Γ cannot be estimated. See also (1986KO10) for other states and see footnote [a] in Table 19.5 of (1987AJ02).

[b] See Table 19.4 of (1978AJ03).

[c] See discussion in (1986KO10).

[d] May be a doublet, but at least one of the states has $J^\pi = \frac{7}{2}^-$ (1986KO10).