Table 16.19 from (1982AJ01): Resonances in ^{15}N(p, n)^{15}O [a]

E_p (MeV ± keV)	$\Gamma_{c.m.}$ (keV)	J^π; T [b]	E_x (MeV)
4.37 ± 15	19 ± 6	$1^{(+)}$; 1	16.22
4.45 ± 30	240 ± 30	$0^{(-)}$	16.30
5.35 ± 15	33 ± 5	$1^{(-)}$; 1	17.14
5.52 ± 15	90 ± 10	1^-; 1	17.30
5.88 ± 15	59 ± 10	≥ 1; 1	17.64
6.12 ± 15	101 ± 10	≥ 1; 1	17.86
6.23 ± 15 [c]	≤ 50	$T = 1$	17.96
6.33 ± 15	26 ± 5	≥ 1; 1	18.06
6.43 ± 30	≈ 300		18.15
6.76 ± 25	≈ 160		18.46
7.03 ± 30	260 ± 30		18.71
7.59 ± 25	90 ± 10	2^-; 1	19.24
7.86 ± 30	300 ± 80		19.49
8.30 ± 25	120 ± 40		19.90
8.88 ± 40 [d,e]	200 ± 50	2	20.45
9.08 ± 40 [e]	130 ± 50		20.63
9.42 ± 100 [e]	235 ± 45		20.95
10.73 ± 100 [e]	800 ± 95	1	22.18
11.01 ± 100	300 ± 100		22.44
11.92 ± 100	520 ± 200		23.29
13.03 ± 100	520 ± 100		24.33
13.63 ± 100	≈ 280	2, 4	24.89
15.12 ± 100	610 ± 140	2, 4	26.29
18.4 ± 200	470 ± 150		29.4

[a] First fourteen resonances are from (1968BA42); the higher energy resonances are from (1978CH09: n_0).

[b] Assignments are from (p, n) and (p, γ) results. The T-assignments are made on the basis of energy and width comparisons with states of ^{16}N.

[c] Probably a doublet: see (1968BA42).

[d] Values of $(2J+1)\Gamma_{p_0}\Gamma_{n_0}/\Gamma^2$ are derived for this resonance and the ones below: see (1978CH09).

[e] See also (1968BA42).