

Table 16.22 from (1971AJ02):
Resonances in $^{15}\text{N}(\text{p}, \text{n})^{15}\text{O}$ (1968BA42) ^a

E_p (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	$J^\pi; T^d$	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	$\geq 1; 1$	17.63
6.12 ± 15	101 ± 10	$\geq 1; 1$	17.86
6.23 ± 15^b	≤ 50	$T = 1$	17.96
6.33 ± 15	26 ± 5	$\geq 1; 1$	18.05
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	1^-^c	19.49
8.30 ± 25	120 ± 40		19.90
8.82 ± 25	150 ± 30	≥ 2	20.39
8.99 ± 25	140 ± 30	≥ 1	20.55
9.36 ± 25	≈ 300		20.89
10.7 ± 100	≈ 650	1	22.2

^a See also (1958JO28, 1958WE1C, 1961WO03, 1963HA46).

^b Probably a doublet: see (1968BA42).

^c 1^- is from (p, γ); $J \geq 2$ is required from (p, n) yield.

^d T -assignments by energy and width comparisons with states in ^{16}N .