Table 16.10 from (1982AJ01): States of ^{16}N from ^{17}O(d, ^{3}He) [a]

E_x (MeV) [b]	l	C^2S	J^π
0	1	0.94	2^-
$\equiv$ 0.30	1	1.33	3^-
3.35	2	0.02	1^+
3.52	2	0.06	$(2)^+$
$\equiv$ 3.96	0	0.10	$(3)^+$
5.14 [c]	$1^+(2)$	$0.2 + 0.03$	$3^- + \geq 2$
5.53	0	0.08	$(2, 3)^+$
5.74	1	0.40	$(1, 2, 3, 4)^-$
6.17	1	1.20	$(4)^-$ [d]
6.36	1	0.80	3^-
7.66	1	0.30	$(2, 4)^-$ [d]
9.48	1	0.25	$(1, 2, 3, 4)^-$

[a] (1978MA16; $E_d = 52$ MeV.)

[b] Resolution of ^{3}He groups was 120 keV FWHM.

[c] Unresolved doublet; angular distribution dominated by $l = 1$ proton pickup.

[d] Based on analog relation with the $T = 1$ states in ^{16}O: see reaction 81 in ^{16}O and Table 16.20.