Table 17.3 from (1986AJ04): Beta decay of ^{17}N [a]

Decay to ^{17}O* (keV)	J^π	Branch (%)	Log ft
0	$\frac{5}{2}^+$	1.6 ± 0.5	7.29 ± 0.11 [f]
871	$\frac{1}{2}^+$	3.0 ± 0.5	6.80 ± 0.07
3055.2 ± 0.3 [b]	$\frac{1}{2}^-$	0.34 ± 0.06	7.08 ± 0.08
3841	$\frac{5}{2}^-$	$< 7 \times 10^{-3}$	> 8.5
4551.2 ± 1.3 [c]	$\frac{3}{2}^-$	38.0 ± 1.3 [e]	4.41 ± 0.02
5083 ± 21 [c]	$\frac{3}{2}^+$	0.6 ± 0.4	5.9 ± 0.5
5389.0 ± 1.2 [c,d]	$\frac{3}{2}^-$	50.1 ± 1.3 [e]	3.86 ± 0.02
5738	$(\frac{1}{2}^+)$	< 0.23	> 6.0
5868	$\frac{3}{2}^+$	< 0.15	> 6.0
5951.8 ± 1.9 [c,d]	$\frac{1}{2}^-$	6.9 ± 0.5 [e]	4.35 ± 0.03
6356	$\frac{1}{2}^+$	< 0.08	> 6.0

[a] See Table 17.2 in (1982AJ01) for references and additional information.

[b] Direct ground state decay $< 1.5\%$.

[c] From neutron groups. [The E_x were calculated on the basis of 4144.3 ± 0.8 keV for E_b for a neutron in ^{17}O.] Γ_n for ^{17}O*(4.55, 5.08, 5.38, 5.94) are, respectively, 54.8 ± 0.4, 113 ± 55, 63.2 ± 1.1 and 60.5 ± 3.2 keV. See also Table 17.12.

[d] See, however, Tables 17.12 and 17.7.

[e] Calculated to lead to a total neutron emission probability of $(95 \pm 1)\%$ [100% less the branches to ^{17}O*(0, 0.87, 3.06)].

[f] $\log f_1 t = 9.56 \pm 0.13$ (1971TO08).