Table 17.21 from (1986AJ04): β^+ decay of ^{17}Ne [a]

Decay to ^{17}F* (MeV $\pm$ keV)	J^π	Branching (%)	$\log ft$ [b]	Decay to ^{16}O* (MeV)	Decay (%)
0	$\frac{5}{2}^+$	0.5 ± 0.2 [f]	6.95 ± 0.13		
0.50	$\frac{1}{2}^+$	1.1 ± 0.5 [f]	6.55 ± 0.21		
3.084 ± 30	$\frac{1}{2}^-$	0.48 ± 0.07	6.44 ± 0.06	0	100
4.609 ± 15 [c]	$\frac{3}{2}^-$	16.2 ± 0.7	4.59 ± 0.02	0	100
5.480 ± 10	$\frac{3}{2}^-$	54.0 ± 0.7	3.86 ± 0.01	0	100
6.037 ± 10	$\frac{1}{2}^-$	10.6 ± 0.2	4.42 ± 0.01	0	100
6.406 ± 30	$(\frac{1}{2}^-, \frac{3}{2}^-)$	0.35 ± 0.10	5.80 ± 0.13	0	100
7.708 ± 30	$(\frac{1}{2}^-, \frac{3}{2}^-)$	0.18 ± 0.05	5.67 ± 0.12	0	> 95
				6.05	< 5
8.075 ± 10	$(\frac{1}{2}, \frac{3}{2})^-$	6.83 ± 0.11	3.96 ± 0.01	0	99.5
				6.05	0.49 ± 0.02
8.436 ± 10	$(\frac{1}{2}, \frac{3}{2})^-$	6.51 ± 0.26	3.85 ± 0.02	0	94.3
				6.05	5.7 ± 0.5
8.825 ± 25	$(\frac{1}{2}, \frac{3}{2})^-$	1.90 ± 0.06	4.23 ± 0.02	0	92.4
				6.05	7.6 ± 1.1
11.19 [d]	$\frac{1}{2}^-; T = \frac{3}{2}$	$0.71^{+0.10}_{-0.05}$	$3.29^{+0.04}_{-0.07}$	0	10 ± 2
				6.13	22 ± 2
				6.92	24 ± 6
				7.12	44 ± 4
[e]					

[a] (1971HA05). See also Table 17.23 in (1971AJ02). I am indebted to Drs. H.T. Richards and E.K. Warburton for their comments.

[b] $\log ft$ values calculated by (1971HA05) using an atomic mass excess of 16.517 ± 0.026 MeV [and $\tau_{1/2} = 109.0 \pm 1.0$ msec] rather than the presently adopted 16.48 ± 0.05 MeV. Since this energy difference leads to quite small changes, the original calculations are quoted here. However, Table 17.4 (which compares the analog decays) shows corrected ft values.

[c] E.K. Warburton calculates $E_x = 4613 \pm 15$ keV by weighing of the Fermi function over the width of this level.

[d] See also Table 17.11.

[e] A proton group with $E_{c.m.} = 2.83$ MeV has been observed: the level in ^{17}F to which it corresponds is not known.

[f] Calculated branchings, based on the mirror ^{17}N decay.