

Table 12.24 from (1975AJ02): Branching in $^{12}\text{N}(\beta^+)^{12}\text{C}$

Decay to $^{12}\text{C}^*$	Branch (%)	$\log ft^c$	Refs.
g.s. ^a	94.25	4.119 ± 0.003	
4.44	2.4 ± 0.2		(1963PE10)
	2.2 ± 0.25		(1963WI05)
7.66	2.10 ± 0.16	5.11 ± 0.03	^d
	2.2 ± 0.6		(1963GL04)
	3.0 ± 0.5		(1962MA22)
10.3	2.7 ± 0.4	4.34 ± 0.06	mean
	0.85 ± 0.6		(1963GL04)
	0.44 ± 0.15		(1963WI05)
12.71 ^b	0.46 ± 0.15	4.36 ± 0.17	mean
	0.29 ± 0.13	3.55 ± 0.16	(1967AL03)
15.11	$(4.4 \pm 1.5) \times 10^{-3}$	3.30 ± 0.13	(1967AL03)

^a $E_\beta(\text{max}) = 16.384 \pm 0.015$ MeV (1963GL04, 1963PE10).

^b See also (1963GL04, 1963WI05, 1966SC23).

^c Based on $\tau_{1/2} = 10.97 \pm 0.04$ msec and on Q_m : see (1974MC11) and (1966BA1A).

^d Based on adopted branching ratio $1.29 \pm 0.05\%$ for $^{11}\text{B}(\beta^-) \rightarrow ^{12}\text{C}^*(4.4)$ (1972AL31, 1974MC11) and “best” value of the $^{12}\text{N}/^{12}\text{B}$ ratio for this decay, $R = 1.63 \pm 0.11$ (1974MC11).