

Table 20.36 from (1998TI06): Branching in $^{20}\text{Mg}(\beta^+)^{20}\text{Na}$ ^a

$E_x(^{20}\text{Na})$ (keV)	Branch (%) ^b	$\log ft$	$B(\text{GT})$ ^c	J^π
984.25 ± 0.10	69.7 ± 1.2	3.83 ± 0.02	0.579 ± 0.030	1 ⁺
2645	≤ 0.1	≥ 6.24	≤ 0.002	?
3001 ± 2	11.5 ± 1.4	4.08 ± 0.06	0.33 ± 0.05	1 ⁺
3874 ± 15	4.8 ± 0.6	4.17 ± 0.06	0.27 ± 0.04	1 ⁺
4123 ± 16	2.7 ± 0.3	4.33 ± 0.06	0.18 ± 0.03	1 ⁺
≈ 4800 ^d	≥ 1.9 [3.6 ± 0.5]	≤ 4.23 [3.95 ± 0.06]	≥ 0.23 [0.45 ± 0.07]	1 ⁺
≈ 5600 ^d	≥ 1.5 [2.8 ± 0.4]	≤ 3.97 [3.70 ± 0.06]	≥ 0.42 [0.79 ± 0.10]	1 ⁺
6266 ± 30	1.2 ± 0.1	3.72 ± 0.06	0.75 ± 0.11	1 ⁺
6521 ± 30	3.3 ± 0.4	3.13 ± 0.06	$B(\text{F})$ 4.57 ± 0.68	0 ⁺
6770 ± 100	≥ 0.03	≤ 5.01	≥ 0.04	(1 ⁺)
6920 ± 100	≥ 0.01	≤ 5.39	≥ 0.03	(1 ⁺)
7440 ± 100	≥ 0.01	≤ 4.99	≥ 0.04	(1 ⁺)

^a From Table 4 of (1995PI03).

^b It is noted in (1995PI03) that these branching ratios refer to the number of implanted ^{20}Mg atoms as 100%. For details on branching of the proton decay into ^{19}Ne levels see (1995PI03).

^c Gamow-Teller strength.

^d Unresolved levels. These are broad or unresolved states, for which the branching percentage could be determined only from proton emission to excited ^{19}Ne levels. The numbers in square brackets indicate the estimated branch, $\log ft$ and $B(\text{GT})$ values under inclusion of the 3% branching to the ^{19}Ne ground state.