

^{34}Na β^- decay (5.5 ms) [1984La03](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Ninel Nica, Balraj Singh		NDS 113, 1563 (2012)	28-May-2012

Parent: ^{34}Na : $E=0$; $T_{1/2}=5.5$ ms 10; $Q(\beta^-)=22728$ SY; $\% \beta^-$ decay=100.0

^{34}Na - $Q(\beta^-)$: 22728 511 (syst,[2011AuZZ](#)); other: 23950 930 (syst,[2003Au03](#)).

^{34}Na - $T_{1/2}$: From [1978De39](#).

^{34}Na - $\% \beta^-$ decay: $\% \beta^- n + \% \beta^- 2n = 115$ 20 ([1984La03](#)).

^{34}Na nuclide produced and identified by [1978De39](#), [1984La03](#) and [1984Gu19](#) (all from the same group), and independently by [1979We10](#). Yield measured by [1997Ha11](#).

No decay details known. ^{34}Na also decays to ^{33}Mg by $\beta^- n$ and to ^{32}Mg by $\beta^- 2n$ (combined percentage=115 20) ([1984La03](#)).

Thus it is possible that there is no population of g.s. or low-lying levels of ^{34}Mg from ^{34}Na decay, only the unbound states above the S(n) and S(2n) thresholds for ^{34}Mg may be populated.