
 $^{99}\text{Sr} \beta^- \text{n} \text{ decay (0.269 s)}$

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen, Balraj Singh		NDS 164, 1 (2020)	15-Feb-2020

Parent: ^{99}Sr : $E=0.0$; $J^\pi=3/2^+$; $T_{1/2}=0.269 \text{ s}$ 2; $Q(\beta^- \text{n})=1702 \text{ 9}$; $\% \beta^- \text{n} \text{ decay}=0.096 \text{ 16}$

$^{99}\text{Sr}-Q(\beta^- \text{n})$: From [2017Wa10](#).

$^{99}\text{Sr}-J^\pi, T_{1/2}$: From ^{99}Sr Adopted Levels in the ENSDF database (July 2017 update), where value is from [1986ReZU](#). Half-life uncertainty is inflated by evaluators here from 0.001 s to 0.002 s Others: 0.42 s +12-9 ([2012Qu01](#)), 0.285 s 30 and 0.270 s 20 ([1987PfZX](#), measured using ISOLDE and OSTIS), 0.270 s 10 ([1985Pe02](#)), 0.266 5 ([1983Wo10](#)), 0.300 s 30 ([1982Ga24](#), OSTIS), 0.290 s 40 ([1978Ko29](#)).

$^{99}\text{Sr}-\% \beta^- \text{n} \text{ decay}$: $\% \beta^- \text{n}=0.096 \text{ 16}$ from weighted average of 0.093 12 ([1986ReZU](#), values of 0.095 6 in [1986Wa17](#) and 0.31 11 in [1983Re10](#) are superseded by that in [1986ReZU](#)), 0.18 10 and 0.35 15 ([1987PfZX](#), measured in two laboratories: ISOLDE and OSTIS). Others: 3.4 24 ([1975As04](#)) is discrepant; 0.35 15 in [1982Ga24](#) (OSTIS) could be from the same measurement as the one from the OSTIS lab in [1987PfZX](#). Value is 0.100 19 in ^{99}Sr Adopted Levels in the ENSDF database (July 2017 update), where value is from [1993Ru01](#) evaluation.

Measured $T_{1/2}$ and $\% \beta^- \text{n}$: [1986ReZU](#) (also [1986ReZS](#), [1986Wa17](#), [1983Re10](#)), [1982Ga24](#), [1975As04](#), [1974RiYE](#), [1971Tr02](#).

Measured $T_{1/2}$ (^{99}Sr isotope): [1985Pe02](#), [1983Wo10](#), [1983DeZI](#), [1978Ko29](#).

[Additional information 1](#).

$\% \beta^- \text{n}=0.100 \text{ 19}$ ([1993Ru01](#)).

 ^{98}Y Levels

E(level)

0.0