

$^{99}\text{Y} \beta^- \text{n decay (1.478 s)}$ [1996Me09](#),[1993Ru01](#),[1986ReZU](#)

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

Parent: ^{99}Y : $E=0.0$; $J^\pi=(5/2^+)$; $T_{1/2}=1.478 \text{ s}$ 7; $Q(\beta^- \text{n})=2566 \text{ keV}$ 11; $\% \beta^- \text{n decay}=1.97 \text{ } 30$

^{99}Y - J^π : From ^{99}Y Adopted Levels in the ENSDF database (July 2017 update).

^{99}Y - $T_{1/2}$: Weighted average of 1.48 s 2 ([1996Me09](#)), 1.486 s 7 ([1993Ru01](#)), 1.400 s 50 ([1987PfZX](#); supersedes 1.400 s 50 in [1982Ga24](#)), 1.470 s 7 ([1986ReZU](#),[1986Wa17](#); supersedes 1.47 s 2 in [1983Re10](#)), 1.51 s 8 ([1979Se01](#)). Others: 1.400 s 72 ([2012Qu01](#)), 1.5 s 1 ([1976MoZC](#)), 1.45 s 22 ([1975As04](#)), 1.45 s 15 ([1974RiYE](#)), 1.1 s 3 ([1972Sc48](#)), 0.8 s 7 ([1970Ei02](#)). Value is 1.484 s 7 in ^{99}Y Adopted Levels in the ENSDF database (July 2017 update).

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

^{99}Y - $\% \beta^- \text{n decay}$: From $\% \beta^- \text{n}=1.97 \text{ } 30$, from unweighted average of $1.77 \text{ } 19$ ([2012Ma63](#)), $2.5 \text{ } 5$ ([1996Me09](#)), $3.14 \text{ } 17$ ([1993Ru01](#); supersedes $3.0 \text{ } 2$ in [1982Ga24](#)), $1.6 \text{ } 8$ and $1.7 \text{ } 6$ ([1987PfZX](#), measured at two different laboratories), $1.09 \text{ } 11$ ([1986ReZU](#); supersedes $1.02 \text{ } 4$ in [1986Wa17](#) and $0.96 \text{ } 15$ in [1983Re10](#)). Others: $1.2 \text{ } 8$ ([1975As04](#)), $1.15 \text{ } 5$ ([1974RiYE](#)). Value is $1.77 \text{ } 19$ in ^{99}Y Adopted Levels in the ENSDF database (July 2017 update), taken from [2012Ma63](#).

[1996Me09](#), [1993Ru01](#), [1986ReZU](#), [1975As04](#): measured $T_{1/2}$ and $\% \beta^- \text{n}$ for ^{99}Y decay.

[2012Qu01](#), [1979Se01](#): measured $T_{1/2}$ for ^{99}Y decay.

[2012Ma63](#), [1987PfZX](#): measured $\% \beta^- \text{n}$ for ^{99}Y decay.

Others: [1983Re10](#), [1982Ga24](#), [1979Se01](#), [1976MoZC](#), [1975As04](#), [1974RiYE](#).

[1986Wa17](#) superseded by [1986ReZU](#).

[Additional information 1](#).

 ^{98}Zr Levels

E(level)

0.0