

$^{100}\text{Y} \beta^- \text{n} \text{ decay (735 ms)} \quad \mathbf{1986\text{Wa17,1993Ru01}}$

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 145, 25 (2017)	1-Jul-2017

Parent: ^{100}Y : $E=0.0$; $J^\pi=1^-, 2^-$; $T_{1/2}=735 \text{ ms } 7$; $Q(\beta^- \text{n})=2222 \text{ } 15$; $\% \beta^- \text{n} \text{ decay}=0.92 \text{ } 8$

^{100}Y - $Q(\beta^- \text{n})$: From [2017Wa10](#).

^{100}Y - $\% \beta^- \text{n} \text{ decay}$: from weighted average of $\% \beta^- \text{n}=1.8 \text{ } 6$ ([1996Me09](#)), $1.08 \text{ } 5$ ([1993Ru01](#)), $0.81 \text{ } 4$ ([1986Wa17](#)), $0.9 \text{ } 3$ (quoted by [1993Ru01](#) from [1987PfZX](#)). Other $\% \beta^- \text{n}$: $0.9 \text{ } 2$ ([1986Wo01](#)), $0.85 \text{ } 9$ ([1986ReZU](#)).

Measured $\% \beta^- \text{n}$ and $T_{1/2}$.

 ^{99}Zr Levels

E(level)

0.0
121.82 8

 $\gamma(^{99}\text{Zr})$

<u>E_γ</u>	<u>I_γ</u>	<u>$E_i(\text{level})$</u>	<u>E_f</u>	<u>Comments</u>
121.82 8	1.28 14	121.82	0.0	I_γ : relative to $I_\gamma=100$ for a 212.6γ in ^{100}Zr from $^{100}\text{Y} \beta^- \text{ decay}$.

 $^{100}\text{Y} \beta^- \text{n} \text{ decay (735 ms)} \quad \mathbf{1986\text{Wa17,1993Ru01}}$ Decay Scheme

Intensities: Relative I_γ

