

${}^{90}\text{Sr}$ β^- decay (28.91 y) 1983Ha35

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, E. A. Mccutchan		NDS 165, 1 (2020)	1-Mar-2020

Parent: ${}^{90}\text{Sr}$: $E=0$; $J^\pi=0^+$; $T_{1/2}=28.91$ y 3; $Q(\beta^-)=545.9$ 14; $\% \beta^-$ decay=100.0

1983Ha35: Measured $E\beta$, $I\beta$. Magnetic spectrometer.

Others: 1964Da16, 1983Wa26.

For measurements of β^- using liquid scintillator detectors see 1993Gr09, 1993Gr18, 1994Gr21, 1994Gr30; using solid scintillator detectors, see 1993Va11, 1993Ya17, 1994Us01, 1994Sz09; detecting electron-induced Cerenkov radiation, see 1994Ci10, 1994Br45, 1995Ra27; using very high-gain avalanche diodes, see 1994Fa24. Using gas-flow proportional counters, see 1992Ba19; using photomultipliers, see 1992Bo35. Others: 1992Gr04, 1994Sa70, 1994He26.

For an investigation on the chirality of the electrons from ${}^{90}\text{Sr}$ β^- decay, see 1985Co31.

For measured first-forbidden shape factors, see 1964Da16 and 1983Ha35.

 ${}^{90}\text{Y}$ Levels

<u>E(level)</u>	<u>J^π[†]</u>	<u>$T_{1/2}$[†]</u>
0	2^-	64.05 h 5

[†] From the Adopted Levels.

 β^- radiations

<u>E(decay)</u>	<u>E(level)</u>	<u>$I\beta^-$[†]</u>	<u>Log ft</u>	<u>Comments</u>
(545.9 14)	0	100	9.4 ^{1u} 1	av $E\beta=195.7$ 5 E(decay): other: 546.0 16 (1983Ha35).

[†] Absolute intensity per 100 decays.