^{150}La β^-n decay (0.51 s) 1993Ru01

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen	NDS 185, 2 (2022)	23-Aug-2022

Parent: ^{150}La: E=0.0; $J^\pi=(3^+)$; $T_{1/2}$=0.51 s *2*; Q(β^-n)=2287 *11*; %β^-n decay=2.69 *34*

^{150}La-$T_{1/2}$: Weighted average of 0.519 s *+10−22* (2017Wu04), 0.51 s *3* (1995Ok02), and 0.4 s *1* (1991AyZY). Others: 0.86 s *5* (1993Ru01), 0.7 (1987MaZY). Value is 0.59 s *11* in ^{150}La Adopted Levels in the ENSDF database, based on data in 1995Ok02, 1993Ru01 and 1991AyZY.

^{150}La-Q(β^-n): From 2021Wa16.

^{150}La-%β^-n decay: From %β^-n=2.69 *34* (1993Ru01).

1993Ru01: Measured $T_{1/2}(^{150}La)$=0.86 s *5* and %β^-n=2.69 *34*, at Studsvik.

^{149}Ce Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	$(3/2^-)$	5.12 s *25*	Assumed that g.s. of ^{149}Ce is populated in this decay mode. J^π,$T_{1/2}$: from the Adopted Levels.