^{98}Rb β^-2n decay (114 ms) 1981Re05

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni	NDS 109, 2501 (2008)	1-Apr-2008

Parent: ^{98}Rb: E=0.0; J^π=(0,1); $T_{1/2}$=114 ms *5*; Q(β^-2n)=2563 *51*; %β^-2n decay=0.051 *7*

^{98}Rb-%β^-2n decay: from %β^-2n=0.051 *7* (from β^-n/β^-2n=267 *33* (1981Re05) and %β^-n=13.6 *5* (1986Wa17)). 1981Re05 give %β^-2n=0.060 *9* based on %β^-n=16.1 *13*. Other: <0.1 (1974Ro15). The source of ^{98}Rb contains 114-ms and 96-ms isomers, but it is assumed here that β^-2n decay is mainly from the 114-ms isomer.

Measured %β^-2n. Other: 1974Ro15.

Q(β^-)value for ^{98}Rb was obtained from mass excess of ^{98}Rb (2003Au03) and mass excess of ^{96}Sr (2006Ha03).

^{96}Sr Levels

E(level)
0.0