^{132}Cd β^-n decay (97 ms) 2000Ha55,2001Ha39

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Yu. Khazov, I. Mitropolsky, A. Rodionov	NDS 107, 2715 (2006)	17-Jul-2006

Parent: ^{132}Cd: E=0; $J^\pi=0^+$; $T_{1/2}$=97 ms *10*; Q(β^-n)=9350 *SY*; %β^-n decay=60 *15*

^{132}Cd-$T_{1/2}$: from timing of delayed neutrons (2000Ha55,2001Ha39).

^{132}Cd-Q(β^-n): 9350 500 (SY,2003Au03).

^{132}Cd-%β^-n decay: %β^-n=60 *15* from 2000Ha55 (also 2001Ha39).

^{132}Cd produced and identified by 2000Ha55 (also 2001Ha39) using ^{238}U(p,F) E=1 GeV (target:uranium carbide/graphite), reaction followed by LASER ionization and mass separation At CERN/ISOLDE facility. Measured β and β-delayed neutron spectra.

^{131}In Levels

E(level)	J^π
0.0	$(9/2^+)$