^{36}Si β^-n decay (503 ms) 1995ReZZ,2017Ha23

Parent: ^{36}Si: E=0; $J^\pi=0^+$; $T_{1/2}$=503 ms *2*; Q(β^-n)=4350 *70*; %β^-n decay=12 *5*

^{36}Si-J^π: From Adopted Levels of ^{36}Si (2012Ni01).

^{36}Si-$T_{1/2}$: From 2017Ha23. Others: 0.45 s *6* from Adopted Levels of ^{36}Si (2012Ni01) taken from 1988DuZS; 0.54 s *21* from 1995ReZZ,2008ReZZ.

^{36}Si-Q(β^-n): From 2021Wa16.

^{36}Si-%β^-n decay: From %β^-n of ^{36}Si decay (1995ReZZ,2008ReZZ). Other: <10 from Adopted Levels of ^{36}Si (2012Ni01) taken from 1988Mu08.

1995ReZZ,2008ReZZ: ^{36}Si was produced via the ^{232}Th(p,X) fragmentation at E_p=800 MeV at the Time-of-flight isochronous (TOFI) spectrometer, LAMPF. Ions were implanted into a thin Si detector surrounded by a plastic scintillator and a thick Si detector for detecting β particles and neutron counter tubes for detecting neutrons. Measured $T_{1/2}$, %β^-n, and average E_n.

2017Ha23: ^{9}Be(^{40}Ar,X) E=69.2 MeV/nucleon at HIRFL, Lanzhou. Measured implant-β(t). Deduced $T_{1/2}$.

1988Mu08: fragmentation of ^{48}Ca at 45 and 55 MeV/nucleon by ^{181}Ta(^{48}Ca,X) reaction at GANIL, France. Measured %β^-n<10.