^{123}Ag β^-n decay 2006Mo07,1983Re05

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	T. Tamura	NDS 108, 455 (2007)	30-Sep-2006

Parent: ^{123}Ag: E=0.0; J^π=(7/2$^+$); $T_{1/2}$=296 ms *6*; Q(β^-n)=2700 *SY*; %β^-n decay=0.55 *5*

^{123}Ag-%β^-n decay: from %β^-=0.55 *5* (1983Re05); other: 1.0 *5* from βn coincidence (2006Mo07).

2006Mo07: Activity was produced by fragmentation of $^{136}Xe^{+50,51}$ (E=121.8 MeV/nucleon) on Be. Particle identification was performed. The products were passed to a mass spectrometer, position sensitive detector, stacked Si detectors and TOF arrangement. β-delayed neutrons were detected within the neutron emission ratio observer; Implantation and decay events were time stamped and correlated. deduced $T_{1/2}$ and P_n.

1995Fe12: U(p,f) E(p)=1 GeV, ISOLDE, on-line mass separation by laser ion source, from neutron counting, observed delayed neutron emitter ^{123}Ag ($T_{1/2}$=293 ms *7*).

1983Re05:^{235}U(n,f) on-line ms; measured $T_{1/2}$, β-delayed neutron spectra, deduced P_n.

^{123}Ag: $T_{1/2}$=296 ms *6* (2003Au02); other: $T_{1/2}$=272 ms *24* (2006Mo07).

Q(β^-n)=2700 syst (2003Au03).

^{122}Cd Levels

E(level)	J^π
0.0	0$^+$

Delayed Neutrons (^{122}Cd)

E(^{122}Cd)
0.0