

Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	A. Hashizume	NDS 112,1647 (2011)	1-Oct-2009

$Q(\beta^-) = -1.07 \times 10^4$ syst; $S(n) = 1.06 \times 10^4$ syst; $S(p) = 2.5 \times 10^3$ syst; $Q(\alpha) = 2.3 \times 10^3$ syst [2012Wa38](#)

Note: Current evaluation has used the following Q record -10370 syst 10610 syst 2460 syst 2330 syst [2003Au02](#).

$\Delta(Q(\beta^-)) = 720$, $\Delta(S(n)) = 570$, $\Delta(S(p)) = 450$ (syst, [2003Au03](#)).

$\Delta(Q(\alpha)) = 500$ (syst, [2003Au03](#)).

Other: [1967Ze05](#).

Source: from $^{92}\text{Mo}(^{40}\text{Ca}, 2p3n)$ E=208 MeV, on-line mass ([1987WiZM](#), [1986Wi15](#), [1983Ni05](#)).

Assignment: from β -delayed proton activity coincident with Pr-K x ray ([1987WiZM](#), [1986Wi15](#)).

 ^{127}Nd Levels

E(level)	$T_{1/2}$	Comments
≥ 0.0	1.8 s 4	$\% \epsilon + \% \beta^+ = 100$; $\% \epsilon p = ?$ Delayed proton precursor; the proton energy distribution is from 2.2 to 6.0 MeV. The average energy is 3.7 MeV. Coincidence with x-rays (1983Ni05 , 1986Wi15 , 1987WiZM). $T_{1/2}$: From proton multiscaling (1987WiZM); value is that proposed by 1987WiZM as a weighted av from all available data with the isotope separator OASIS. The value seems to include reported values of 1.9 s 4 (1983Ni05) and 1.5 s 3 (1986Wi15) (evaluator).