
Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	J. Katakura	NDS 112,495 (2011)	1-Jan-2010

$S(n)=1.11\times 10^4$ *syst*; $S(p)=1.7\times 10^3$ *syst*; $Q(\alpha)=2.7\times 10^3$ *syst* [2012Wa38](#)

Note: Current evaluation has used the following Q record -11100 11192 *syst* 1775 *syst* 2661 *syst* [2009AuZZ](#),[2001Go20](#).

$Q(\beta^-)$ ([2001Go20](#)) \$ $\Delta S(n)=718$, $\Delta S(p)=718$, $\Delta Q(\alpha)=643$ (*syst*,[2009AuZZ](#)) \$ $Q(\epsilon p)=9916$ 499 (*sys*,[2009AuZZ](#)).

^{125}Nd isotope produced and identified by [1999Xu05](#) in reaction $^{92}\text{Mo}(^{36}\text{Ar},3n)$ at 169 MeV; measured $T_{1/2}$, delayed proton spectra and (proton)(γ 's in ^{124}Ce) coin.

[Additional information 1](#).

 ^{125}Nd Levels

E(level)	J^π	$T_{1/2}$	Comments
0	(5/2)	0.65 s 15	$\% \epsilon + \% \beta^+ = 100$; $\% \epsilon p > 0$ $T_{1/2}$: From 2005Xu04 . 1999Xu05 report 0.60 15 s from decay curve of 142 γ in coin with 2.5-5.5 MeV protons. The 142 γ and 306 γ from levels in ^{124}Ce were observed (1999Xu05) from the delayed proton decay of ^{125}Nd . J^π : From 1999Xu05 . Other: 5/2 $^+$ (<i>syst</i> , 1997Mo25).