

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yu. Khazov, A. A. Rodionov and S. Sakharov, Balraj Singh		NDS 104, 497 (2005)	1-Jul-2022

$S(n)=1.08\times 10^4$ SY; $S(p)=-8.\times 10^2$ SY; $Q(\alpha)=3.6\times 10^3$ SY [2021Wa16](#)
[1993Li40](#) and [1983La27](#) reported experiments to search for direct proton emission from ^{132}Eu . [1993Li40](#) used $^{96}\text{Ru}(^{40}\text{Ca},3\text{np})$ reaction in an attempt to produce ^{132}Eu . None of the studies found any evidence for proton emission from ^{132}Eu . From a cross section upper limit of 120 nb for ^{132}Eu proton decay, [1993Li40](#) deduce that direct proton radioactivity with $T_{1/2}>1\ \mu\text{s}$ can be ruled out as a dominant decay mode. The isotopic identification of ^{132}Eu remains uncertain.

 ^{132}Eu Levels

E(level)	Comments
0?	$\%e+\%b^+=?$; $\%p=0$ (1993Li40) $T_{1/2}$: 100 ms (syst, 2003Au02), 285 ms (calculated, 1997Mo25).