^{135}Eu ε decay (1.5 s) 1989Vi04

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh, Alexander A. Rodionov And Yuri L. Khazov	NDS 109, 517 (2008)	1-Jul-2022

Parent: ^{135}Eu: E=0.0; $T_{1/2}$=1.5 s *2*; Q(ε)=8710 *SY*; %ε+%β^+ decay=100.0

1989Vi04: ^{135}Eu produced by ^{92}Mo(^{46}Ti,p2n) E=192 MeV followed by on-line mass separation. Measured $T_{1/2}$, x rays, γ rays, Xγ coin, (Sm x ray)(β^+) coin. Delayed protons were also measured but no component was assigned to ^{135}Eu, probably, due to interfering protons from ^{135}Sm decay.

$\gamma(^{135}Sm)$

E_γ	Comments
^{x}120.8	E_γ: from Xγ coin.

^{x} γ ray not placed in level scheme.