^{163}Ta ε decay (10.6 s) 1985Li14

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	ENSDF	31-Dec-2014

Parent: ^{163}Ta: E=0.0; $T_{1/2}$=10.6 s *18*; Q(ε)=6730 *50*; %ε+%β^+ decay≈99.8

^{163}Ta-$T_{1/2}$: From the ^{163}Ta Adopted Levels.

^{163}Ta-Q(ε): From 2012Wa38.

1985Li14: ^{163}Ta produced by ^{175}Lu(^{3}He,15n),E=280 MeV. On-line separation of fluoride compounds. Measured x rays, Eγ, γ(t), K x ray(t), β^+, $T_{1/2}$.

Measured $T_{1/2}$: 1986Ru05, 1989Br19, 1983Sc18.

See ^{163}Ta α decay to ^{159}Lu for additional details.

$\gamma(^{163}Hf)$

Eγ	Iγ
[x]210.0	≈50
[x]375.7	≈40
[x]396.0	100
[x]448.7	≈60
[x]451.1	≈70
[x]627.7	≈25
[x]712.6	≈45

[x] γ ray not placed in level scheme.