^{187}Hg α decay (2.4 min) 1970Ha18

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 134, 149 (2016)	15-Apr-2015

Parent: ^{187}Hg: E=59 *16*; J^{π}=13/2$^{(+)}$; $T_{1/2}$=2.4 min *3*; Q(α)=5230 *14*; %α decay>0.025

^{187}Hg-E: From 2012Au07.

^{187}Hg-%α decay: %α=0.00035 *10* from simultaneous counting of α's and K x-rays (1970Ha18). given As limit because x-ray intensity not corrected for internal conversion and not divided between isomer and ground state decays.

See the comment on ^{187}Hg α decay (1.9 min).

For this decay scheme, QxBR=1.322 *5*.

^{183}Pt Levels

E(level)	J^{π}[†]
316.9 *7*	(13/2$^+$)

[†] From Adopted Levels.

α radiations

Eα	E(level)	Iα[‡]	HF[†]	Comments
4870 *20*	316.9	100	0.050 *10*	this Eα implies Q(α)=5234 *26* cf. 5230 *14* from 2012Wa38.

[†] If r_0=1.493 *12* (unweighted average of $r_0(^{182}Pt)$=1.504 *27* and $r_0(^{184}Pt)$=1.481 *28* (1998Ak04).

[‡] For absolute intensity per 100 decays, multiply by >0.00025.