^{192}Pb α decay (3.5 min) 1979To06,1981So09,1992Wa14

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev, S. Juutinen, D. J. Hartley	NDS 150, 1 (2018)	1-Feb-2018

Parent: ^{192}Pb: E=0.0; $J^\pi=0^+$; $T_{1/2}$=3.5 min *1*; Q(α)=5221 *5*; %α decay=0.0059 *7*

^{192}Pb-$T_{1/2}$ is from 2012Ba36. Qα is from 2017Wa10.

^{192}Pb-%α decay: weighted average of 0.0057 *10* (1979To06) and 0.0061 *11* (1992Wa14). These α branchings were obtained by absolute α and γ intensities from the α and ε decay of ^{192}Pb, respectively. The authors of 1992Wa14 also deduced %α=0.0076 *16* by comparing the correlated α intensities from ^{196}Po and ^{192}Pb decays. Earlier measurement: %α=0.0069 *24* (1974Ho26).

^{188}Hg Levels

E(level)	J^π
0.0	0^+

α radiations

Eα	E(level)	Iα[‡]	HF[†]	Comments
5112 *5*	0.0	100	1.0	Eα,Iα: From 1979To06.

[†] r_0=1.501 *7*, deduced from HF(5112α)=1.0.

[‡] For absolute intensity per 100 decays, multiply by 5.9×10^{-5} *7*.