^{207}Ra α decay (1.2 s)   1995Uu01,1987He10,1967Va22

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 177, 509, 2021	4-Jul-2021

Parent: ^{207}Ra: E=0.0; J^{π}=(3/2$^-$); T$_{1/2}$=1.2 s *1*; Q(α)=7270 *60*; %α decay$\approx$86.0
^{207}Ra-J^{π},T$_{1/2}$: From 2011Ko04.
^{207}Ra-Q(α): From 2021Wa16.
^{207}Ra-%α decay: From 2011Ko04.

^{203}Rn Levels

E(level)†	J^{π} †	T$_{1/2}$ †
0.0	3/2$^-$	44.2 s *16*

† From Adopted Levels.

α radiations

Eα	E(level)	Iα‡	HF†	Comments
7131 *4*	0.0	100	$\approx$1.4	Eα: Weighted average of 7136 keV *12* (1995Uu01), 7131 keV *5* (1967Va22) and 7128 keV *10* (1987He10). Other: 7144 keV *9* (2015Ma63), corresponds to the decay of both ^{208}Ra and ^{207}Ra.

† Using r$_0$(^{205}Ra)=1.513 *22*, weighted average of 1.539 *+27−50* in ^{206}Ra (N=118) and 1.510 *27* in ^{208}Ra (N=120), determined using HF$_{\alpha}$=1.
‡ For absolute intensity per 100 decays, multiply by $\approx$0.86.