^{195}Rn α decay (6 ms) 2001Ke06

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia	NDS 195,368 (2024)	1-Dec-2023

Parent: ^{195}Rn: E=0.0; J^π=(3/2$^-$); $T_{1/2}$=6 ms *+3−2*; Q(α)=7690 *50*; %α decay≈100
^{195}Rn-J^π,$T_{1/2}$: From 2001Ke06.
^{195}Rn-Q(α): From 2021Wa16.
^{195}Rn-%α decay: From 2014Hu18.

^{191}Po Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	(3/2$^-$)	22 ms *1*	J^π: From Adopted Levels. $T_{1/2}$: From Adopted Levels. Other: 15 ms *+7−3* (2001Ke06 − 7331α(t)).

α radiations

Eα	E(level)	Iα[‡]	HF[†]	Comments
7536 *11*	0.0	100	≈2.4	HF: 2001Ke06 obtain HF=2.2 according to the method of Rasmussen (1959Ra14), normalized to ^{212}Po, assuming Iα=100 and %α=100. A HF=2.4 indicates an unhindered transition.

[†] The nuclear radius parameter $r_0(^{191}Po)$=1.587 *13* is deduced from interpolation (or unweighted average) of radius parameters of the adjacent even-even nuclides $r_0(^{190}Po)$=1.590 *11* and $r_0(^{192}Po)$=1.585 *15* (2020Si16).
[‡] For absolute intensity per 100 decays, multiply by ≈1.