

^{195}Rn α decay (5 ms) [2001Ke06](#)

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

Parent: ^{195}Rn : E=80 50; $J^\pi=(13/2^+)$; $T_{1/2}=5$ ms +3-2; $Q(\alpha)=7690$ 50; % α decay \approx 100

^{195}Rn -E: From [2021Ko07](#) (NUBASE). Other: 59 keV in [2001Ke06](#), 93 keV 21 in [2013Sa43](#).

^{195}Rn -E(level), J^π , $T_{1/2}$ from [2001Ke06](#). $Q(\alpha)$ from [2021Wa10](#).

^{195}Rn -% α decay: From [2014Hu18](#).

 ^{191}Po Levels

E(level)	J^π	$T_{1/2}$	Comments
61 11	(13/2 ⁺)	93 ms 3	E(level), J^π : From Adopted Levels. $T_{1/2}$: From Adopted Levels. Others: 95 ms +130-60 and 110 ms +70-30 (2001Ke06 – from $^{7364}\alpha(t)$ and $^{6878}\alpha(t)$, respectively).

 α radiations

$E\alpha$	E(level)	$I\alpha^\ddagger$	HF [†]	Comments
7555 11	61	100	\approx 2.3	HF: 2001Ke06 calculate HF=2.1 according to the method of Rasmussen (1959Ra14), normalized to ^{212}Po , assuming $I\alpha=100$ and % $\alpha=100$. A HF=2.3 indicates an unhindered transition.

[†] The nuclear radius parameter $r_0(^{191}\text{Po})=1.587$ 13 is deduced from interpolation (or unweighted average) of radius parameters of the adjacent even-even nuclides $r_0(^{190}\text{Po})=1.590$ 11 and $r_0(^{192}\text{Po})=1.585$ 15 ([2020Si16](#)).

[‡] For absolute intensity per 100 decays, multiply by \approx 1.