^{204}Rn α decay

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 192,1 (2023)	1-Aug-2023

Parent: ^{204}Rn: E=0.0; $J^{\pi}=0^{+}$; $T_{1/2}$=1.242 min *23*; Q(α)=6546.7 *18*; %α decay=72.4 *9*
^{204}Rn-$T_{1/2}$: From 2010Ch02.
^{204}Rn-%α(^{204}Rn) from 2010Ch02.

^{200}Po Levels

E(level)	J^{π}	$T_{1/2}$	Comments
0.0	0^{+}	11.54 min *9*	$T_{1/2}$: From Adopted Levels.

α radiations

Eα	E(level)	Iα[‡]	HF[†]	Comments
6418.8 *14*	0.0	100	1.0	Eα: Weighted average of Eα=6418.9 keV *25* (1993Wa04), 6420 keV *2* (1996Ta18) and 6416 keV *3* (1967Va17). Others: 6409 keV *3* (1995Le04) and 6408 keV *8* (2015Ma63).

[†] $r_0(^{200}Po)$=1.5026 *13* from 2020Si16.
[‡] For absolute intensity per 100 decays, multiply by 0.724 *9*.