^{205}Ra α decay (170 ms) 1996Le09,1987He10

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 187,355 (2023)	20-Sep-2022

Parent: ^{205}Ra: E=263 *25*; $J^{\pi}=13/2^{+}$; $T_{1/2}$=170 ms *+60−40*; Q(α)=7486 *20*; %α decay≈100
^{205}Ra-$T_{1/2}$: From 2020Ko17.
^{205}Ra-E,J^{π}: From 2021Ko07.
^{205}Ra-Q(α): From 2021Wa16.
^{205}Ra-%α decay: From 2020Ko17.

^{201}Rn Levels

E(level)†	J^{π}†	$T_{1/2}$†
245 *12*	$13/2^{+}$	3.8 s *1*

† From Adopted Levels.

α radiations

Eα	E(level)	Iα‡	HF†	Comments
7359 *9*	245	≈100	≈1.3	Eα: From Q(α)=7505 keV *9* in 2021Hu06 (a least-squares adjustment of the atomic masses). Individual Eα values are 7370 keV *20* (1996Le09), 7355 keV *10* (1995Le04), 7375 keV *25* (1995Le15) and 7379 keV *30* (2010He25).

† Using $r_0(^{201}Rn)$=1.528 *4*, weighted average of $r_0(^{200}Rn)$=1.525 *14* and $r_0(^{202}Rn)$=1.5287 *42* (2020Si16).
‡ For absolute intensity per 100 decays, multiply by ≈1.0.