^{205}Po α decay   **1967Ti04,1970Jo26**

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

Parent: ^{205}Po: E=0; J^{π}=5/2^{-}; $T_{1/2}$=1.74 h *8*; Q(α)=5325 *10*; %α decay=0.040 *12*

^{205}Po-J^{π},$T_{1/2}$: From 2020Ko17.

^{205}Po-Q(α): From 2021Wa16.

^{205}Po-%α decay: From 2020Ko17.

^{201}Pb Levels

E(level)	$J^{\pi\dagger}$	$T_{1/2}{}^{\dagger}$
0	5/2^{-}	9.33 h *5*

† From Adopted Levels.

α radiations

Eα	E(level)	I$\alpha^{\ddagger}$	HF†	Comments
5222 *7*	0	100	1.1 *4*	Eα: Weighted average 5220 keV *10* (1967Ti04) and 5224 *10* (1970Jo26).

† Using r$_0$(^{201}Pb)=1.459 *4*, unweighted average of r$_0$(^{200}Pb)=1.4625 *22* and r$_0$(^{202}Pb)=1.4547 *10* (2020Si16).

‡ For absolute intensity per 100 decays, multiply by 0.00040 *12*.