

²¹⁰Pb α decay

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	F. G. Kondev	NDS 201,346 (2025)	21-Jan-2025

Parent: ²¹⁰Pb: E=0.0; J π =0⁺; T_{1/2}=22.20 y 22; Q(α)=3792 20; % α decay=1.9×10⁻⁶ 4
²¹⁰Pb-T_{1/2}: From [2003Br13](#).
²¹⁰Pb-Q(α) from [2021Wa16](#).
²¹⁰Pb-% α is weighted average of 1.7×10⁻⁶ 3 ([1962Ka27](#)), 2.7×10⁻⁶ 6 ([1964Wo05](#)).

²⁰⁶Hg Levels

<u>E(level)</u>	<u>Jπ</u>	<u>T_{1/2}</u>	<u>Comments</u>
0.0	0 ⁺	8.32 min 13	T _{1/2} : From Adopted Levels.

α radiations

<u>Eα</u>	<u>E(level)</u>	<u>Iα[‡]</u>	<u>HF[†]</u>	<u>Comments</u>
3720 20	0.0	100	1.0	E α : From 1962Ka27 .

[†] Using r₀(²⁰⁶Hg)=1.449 21, so that HF=1.0.
[‡] For absolute intensity per 100 decays, multiply by 1.9×10⁻⁸ 4.