^{214}Ac $\varepsilon+\beta^+$ decay 1968Va04

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Shaofei Zhu and E. A. Mccutchan	NDS 175,1 (2021)	1-May-2021

Parent: ^{214}Ac: E=0.0; $J^\pi=5^{(+)}$; $T_{1/2}$=8.2 s *2*; Q(ε)=6341 *15*; %ε+%β^+ decay<14

^{214}Ac-J^π,$T_{1/2}$: From the Adopted Levels of ^{214}Ac.

^{214}Ac-Q(ε): from 2021Wa16.

^{214}Ac-%ε+%β^+ decay: From the Adopted Levels of ^{214}Ac.

1968Va08: The ratio of ^{214}Ac and ^{214}Ra α activity in the ^{203}Tl(^{16}O,5n)^{214}Ac reaction at beam energies of below or at 90 MeV. ε branching was deduced from the ratio of Iα(^{214}Ac) and Iα(^{214}Ra) at equilibrium.

^{214}Ra Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	0^+	2.444 s *20*	$T_{1/2}$: from the Adopted Levels.