

^{214}Rn α decay (0.69 ns) 1981Go06

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 121, 561 (2014)	31-Mar-2014

Parent: ^{214}Rn : $E=1442.7$; $J^\pi=6^+$; $T_{1/2}=0.69$ ns 21; $Q(\alpha)=9208$ 9; % α decay=?
 ^{214}Rn was produced from $^{208}\text{Pb}(^{12}\text{C},\alpha 2n)$ reaction, measured $E\alpha$.

 ^{210}Po Levels

E(level)	J^π	$T_{1/2}$
0.0	0^+	138.376 d 2

 α radiations

% α decay is not known.

$E\alpha$	E(level)	$I\alpha$	Comments
10460 30	0.0	≤ 100	$E\alpha$: measurement of 1981Go06. $E\alpha=10452$ 9 from $Q(\alpha)(\text{g.s.})=9208$ 9 and $E(\text{parent level})=1442.7$. $I\alpha$: only one α group was observed.