

$^{214}\text{Pa}$   $\alpha$  decay [2000He17](#),[1997Mi03](#)

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

Parent:  $^{214}\text{Pa}$ :  $E=0.0$ ;  $T_{1/2}=17$  ms 3;  $Q(\alpha)=8270$  50;  $\% \alpha$  decay  $\leq 100.0$

[2000He17](#):  $^{214}\text{Pa}$  activity produced by  $^{170}\text{Er}(^{51}\text{V},^7\text{n})$ ,  $E=214$ -286 MeV, was in-flight separated from the projectile beam and implanted into a position-sensitive Si detector. Measured  $E\alpha$ ,  $\alpha\gamma$  coin,  $T_{1/2}$ .

[1997Mi03](#):  $^{214}\text{Pa}$  activity produced by  $^{182}\text{W}(^{35}\text{Cl},3\text{n})$ ,  $E=182.5$  MeV, was separated with a recoil mass separator and identified by time- and position-correlated  $\alpha$ -decay chains. Measured  $E\alpha$ .

 $^{210}\text{Ac}$  Levels

<u>E(level)</u>	<u><math>T_{1/2}</math></u>	Comments
0.0	0.35 s 5	$T_{1/2}$ : from Adopted Levels.

 $\alpha$  radiations

<u><math>E\alpha</math></u>	<u>E(level)</u>	Comments
8116 15	0.0	$E\alpha$ : from <a href="#">2000He17</a> . Other value: 8090 keV 30, may have been affected by contribution from $^{215}\text{Pa}$ impurity ( <a href="#">1997Mi03</a> ).