

$^{225}\text{Pa}$   $\alpha$  decay

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Ashok Jain, Sukhjeet Singh, Suresh Kumar, Jagdish Tuli		NDS 108, 883 (2007)	15-Jan-2007

Parent:  $^{225}\text{Pa}$ : E=0.0;  $T_{1/2}=1.7$  s I;  $Q(\alpha)=7380$  50; % $\alpha$  decay=100.0

 $^{221}\text{Ac}$  Levels

E(level)	$J^\pi$	$T_{1/2}$
0.0	(3/2 <sup>-</sup> )	52 ms 2
52? 15		

 $\alpha$  radiations

$E\alpha^\ddagger$	E(level)	$I\alpha^\#$ @	HF <sup>†</sup>
7195& 10	52?	30 10	2.7 11
7245 10	0.0	70 10	1.8 4

<sup>†</sup>  $r_0(^{221}\text{Ac})=1.5475$  is used in calculations.

<sup>‡</sup> Measurements of [1970Bo13](#). Other measurement: [1968Ha14](#).

<sup>#</sup> Relative values from [1970Bo13](#) based on a total of 100 for the 7245 $\alpha$  group and the tentative 7195 $\alpha$  group.

<sup>@</sup> Absolute intensity per 100 decays.

<sup>&</sup> Existence of this branch is questionable.