^{220}Pa α decay 1987FaZS

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. -c. Wu	NDS 108, 1057 (2007)	1-Mar-2007

Parent: ^{220}Pa: E=0.0+x; $T_{1/2}$=0.78 μs *16*; Q(α)=9830 *50*; %α decay=100.0

^{216}Ac Levels

Production and assignment: ^{204}Pb(^{19}F,xn), excit (1987FaZS).
1987MiZO produced an activity with $T_{1/2}$=1.1 μs *1* and Eα=9.16 MeV by ^{205}Tl(^{20}Ne) E=102-110 MeV. They assign this as possibly from ^{220}Pa.

E(level)	Comments
0.0+y	It is not known which isomer of ^{216}Ac is fed by this activity.

α radiations

Eα	E(level)	HF[†]
9650 *50*	0.0+y	1.9 *5*

[†] From $r_0(^{216}Fr)$=1.527 *24*, unweighted average of $r_0(^{214}Ra)$=1.554 *9*, $r_0(^{216}Ra)$=1.566 *9*, $r_0(^{214}Th)$=1.46 *9*, $r_0(^{220}Th)$=1.527 *30*.