^{184}Bi α decay (6.6 ms) 2003An27

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan	NDS 126, 151 (2015)	1-Feb-2015

Parent: ^{184}Bi: E=0.0+y; $T_{1/2}$=6.6 ms *15*; Q(α)=8020 *50*; %α decay≈100.0

^{184}Bi activity from ^{93}Nb(^{94}Mo,3n), E(^{94}Mo)=380 to 480 MeV. Channel selection with velocity filter SHIP. Measured Eα, $\alpha\gamma$-coin, α-decay branching ratio using position-sensitive Si detector and a coaxial HPGe detector.

α radiations

Eα	Comments
7220 *15*	Eα: in coincidence with Eγ=449 *1*.
7445 *35*	
7.79×10^3 *6*	Eα: E(α)=7730-7850, complex structure with contributions from many α-decays. Assignment to ^{184}Bi α decay is tentative.

$\gamma(^{180}Tl)$

E$_\gamma$
^{x}449 *1*

^{x} γ ray not placed in level scheme.