^{144}Sm(^{51}V,3n) 2006An04

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 113, 1871 (2012)	15-Jun-2012

2006An04: ^{144}Sm(^{51}V,3n), E=230 *1* MeV (mid-target); 96.47% ^{144}Sm target; recoils separated In flight by SHIP velocity filter then implanted into 16-strip Si position-sensitive detector; tof veto of beam particles; four-fold segmented Clover Ge detector; measured Eα (FWHM≈25 keV or 45-75 keV), Iα, Iγ, recoil-γ coin, recoil-α-γ coin (particle-γ Δt≤5 μs) (2006An04; see also 2005AnZY). Other: 2003Ke08. Two isomeric states identified.

^{192}At Levels

E(level)	J$^{\pi}$ †	T$_{1/2}$	Comments
0+x	(9$^-$,10$^-$)	88 ms *6*	%α≤100 suggested configuration: (π 2f$_{7/2}$)⊗(ν 1i$_{13/2}$). Four α groups from this isomer feed ^{188}Bi: α-X(Bi) coin observed.
0+y		11.5 ms *6*	%α≤100 Four α groups from this isomer feed ^{188}Bi. α-X(Bi) coin observed.

† From Adopted Levels.