^{9}Be(^{137}Sb,Xγ) 2014Wa05

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan	NDS 152, 331 (2018)	1-Apr-2018

2014Wa05: ^{137}Sb secondary beam produced through in-flight fission of a ^{238}U primary beam with E=345 MeV/nucleon incident on a W target, separated with the BigRIPS fragment separator and identified using ΔE-Bρ-TOF measurements. ^{136}Sn produced through 1 proton knockout of the ^{137}Sb beam with average energy of 240 MeV/nucleon on a ^{9}Be target. Reaction products analyzed by the ZeroDegree Spectrometer and identified using ΔE-Bρ-TOF measurements. Measured Eγ using DALI2 spectrometer consisting of 186 NaI(Tl) scintillation detectors.

^{136}Sn Levels

E(level)†	J$^{\pi}$‡
0.0	0^{+}
682 *13*	(2^{+})

† From Eγ.
‡ From the Adopted Levels.

γ(^{136}Sn)

E$_{\gamma}$	E$_i$(level)	J$^{\pi}_i$	E$_f$	J$^{\pi}_f$
682 *13*	682	(2^{+})	0.0	0^{+}

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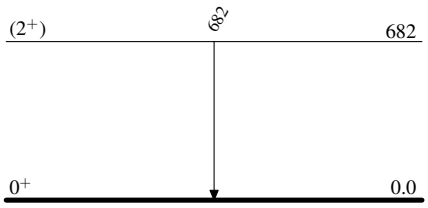
Level Scheme



$^{136}_{50}Sn_{86}$