

$^{125}\text{Sb}$  IT decay (25  $\mu\text{s}$ )    2010Re01

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	J. Katakura	NDS 112, 495 (2011)	1-Jan-2010

Parent:  $^{125}\text{Sb}$ : E=1969+x;  $J^\pi=(19/2^-)$ ;  $T_{1/2}=25 \mu\text{s}$  4; %IT decay=?2010Re01: Isomer of  $^{125}\text{Sb}$  formed in  $^{232}\text{Th}$  fission by 45 MeV  $^6\text{Li}$ ; Emitted particles and fission fragments were detected in the Silicon Telescope Array for Reaction Studies (STARS); Measured  $\gamma$ ,  $\gamma\gamma$ , g(t). $^{125}\text{Sb}$  Levels

E(level)	$J^\pi$ <sup>†</sup>	$T_{1/2}$
0.0	$7/2^+$	
1067	$9/2^+$	
1089	$11/2^+$	
1969	$15/2^-$	
1969+x	$(19/2^-)$	$25 \mu\text{s}$ 4

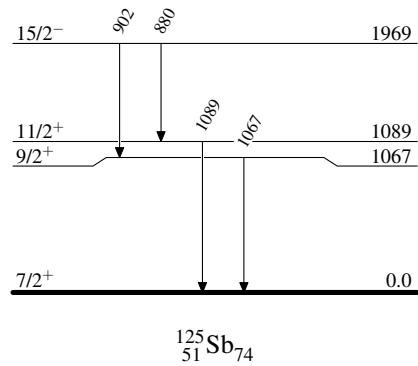
<sup>†</sup> From a comparison with neighboring Sb isotopes, excepting 0.0, 1067, 1089 and 1969 keV levels whose spin-parities are from Adopted Levels.

 $\gamma(^{125}\text{Sb})$ 

$E_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$
880	1969	$15/2^-$	1089	$11/2^+$
902	1969	$15/2^-$	1067	$9/2^+$
1067	1067	$9/2^+$	0.0	$7/2^+$
1089	1089	$11/2^+$	0.0	$7/2^+$

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%IT=?

 $^{125}_{51}\text{Sb}_{74}$