
 $^{153}\text{Sm IT decay (10.6 ms)}$ [1971KiZC](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 170, 1 (2020)	16-Aug-2020

Parent: ^{153}Sm : E=98.39 *I*0; $J^\pi=11/2^-$; $T_{1/2}=10.6$ ms *3*; %IT decay=100.0

Sources produced in Sm(pulsed n, γ) reaction, with natural and enriched Sm targets.

 $^{153}\text{Sm Levels}$

E(level)	J^π [†]	$T_{1/2}$	Comments
0.0	$3/2^+$		
7.5	$5/2^+$		
53.533	$7/2^+$		
65.475	$9/2^+$		
98.39 <i>I</i> 0	$11/2^-$	10.6 ms <i>3</i>	$T_{1/2}$: From 1971KiZC .

[†] From ^{153}Sm Adopted Levels where the band assignments are also given.

$^{153}\text{Sm IT decay (10.6 ms)}$ 1971KiZC (continued)

$\gamma(^{153}\text{Sm})$ (continued)

[†] Calculated from the measured Iy where they are known, otherwise from intensity balances, except as noted.

[‡] Additional information 1.

[#] Additional information 2.

^④ For absolute intensity per 100 decays, multiply by 0.501 22.

