^{69}Ge IT decay (2.81 μs) 1969Iv02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja	NDS 115, 1 (2014)	31-Jul-2013

Parent: ^{69}Ge: E=397.944 *18*; $J^{\pi}=9/2^{+}$; $T_{1/2}$=2.81 μs *5*; %IT decay=100.0

1969Iv02: Isomer excited by 24 MeV α particles. γ's detected with a NaI(Tl) and EMI9067B photomultiplier tube. Measured halflife with 15-20 % uncertainty and Eγ with 5 % uncertainty.

Other: 1988Da19.

^{69}Ge Levels

E(level)†	J^{π}‡	$T_{1/2}$	Comments
0	$5/2^{-}$		
397.944 *18*	$9/2^{+}$	2.81 μs *5*	$T_{1/2}$: from Adopted Value. $T_{1/2}$=3.2 μs 6 from delayed coincidence data of 1969Iv02.

† From measured Eγ.

‡ From Adopted Levels.

$\gamma(^{69}Ge)$

I(γ+ce) normalization: %IT=100.

Eγ	E$_i$(level)	J_i^{π}	E$_f$	J_f^{π}	I$_{(\gamma+ce)}$†	Comments
390 *20*	397.944	$9/2^{+}$	0	$5/2^{-}$	100	Data from 1969Iv02.

† Absolute intensity per 100 decays.

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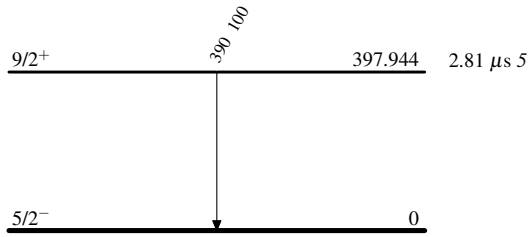
Decay Scheme

%IT=100.0



$^{69}_{32}Ge_{37}$