

^{79}Ge IT decay (39.0 s) 1981Ho24,1980HoZN

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 135, 193 (2016)	31-May-2016

Parent: ^{79}Ge : E=186.02 7; $J^\pi=(7/2^+)$; $T_{1/2}=39.0$ s 10; %IT decay=4 1

 ^{79}Ge Levels

E(level)	J^π †	$T_{1/2}$
0.0	$(1/2)^-$	
186.02 7	$(7/2^+)$	39.0 s 10

† From Adopted Levels.

 $\gamma(^{79}\text{Ge})$

E_γ	I_γ †	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult.	α^\ddagger	Comments
186.02 7	100	186.02	$(7/2^+)$	0.0	$(1/2)^-$	[E3]	0.423	$\alpha(\text{K})=0.362$ 6; $\alpha(\text{L})=0.0522$ 8; $\alpha(\text{M})=0.00774$ 11; $\alpha(\text{N})=0.000380$ 6

† For absolute intensity per 100 decays, multiply by 0.028 7.

‡ Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ -ray energies, assigned multiplicities, and mixing ratios, unless otherwise specified.

 ^{79}Ge IT decay (39.0 s) 1981Ho24,1980HoZNDecay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
%IT=4 1

