

^{79}Se IT decay (3.92 min) 1972De67,1968Ma12

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

Parent: ^{79}Se : $E=95.73\ 3$; $J^\pi=1/2^-$; $T_{1/2}=3.92\ \text{min}\ 1$; %IT decay=99.944 11

^{79}Se -%IT decay: $\% \beta^- = 0.056\ +13-8$ (1988Ki03).

Others: 1990Ab02, 1969Mu03, 1969Ba34, 1969Ad10, 1962We08, 1955Dr43, 1954Yt03, 1953Cu33, 1952Ru10, 1950Fl75, 1950Fl62.

 ^{79}Se Levels

E(level)	$J^\pi^\dagger$	$T_{1/2}$	Comments
0.0	$7/2^+$		
95.73 3	$1/2^-$	3.92 min 1	$T_{1/2}$: from 1990Ab02. Others: 1969Mu03, 1954Yt03, 1953Cu33, 1952Ru10, 1950Fl62.

† From Adopted Levels.

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

E_γ	$I_\gamma^\dagger$	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult.	$\alpha^\ddagger$	$I_{(\gamma+ce)}^\dagger$	Comments
95.73 3	9.54 14	95.73	$1/2^-$	0.0	$7/2^+$	E3	9.48	99.944 11	$\alpha(K)=7.26\ 11$; $\alpha(L)=1.90\ 3$; $\alpha(M)=0.296\ 5$; $\alpha(N)=0.0197\ 3$ E_γ : from 1972De67. $I_{(\gamma+ce)}$: from IT branching. I_γ : from $I(\gamma+ce)$ and α . Mult.: from $\alpha(K)_{\text{exp}}=10\ 4$ (relative to 7.1 15 for 103 γ in ^{81}Se) (1955Dr43). $\alpha(K)_{\text{exp}}=7.4\ 6$ (1962We08). $\alpha(K)=7.26$ (theory). $I_{ce}(K)/I_{ce}(L)=3.0\ 5$ (1955Dr43), 2.9 5 (1952Ru10), 3.8 (theory).

† Absolute intensity per 100 decays.

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

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Decay SchemeIntensities: $I_{(\gamma+ce)}$ per 100 parent decays

%IT=99.944 11

