

^{95}Tc IT decay (61 d) [1969Ag04,1959Un01](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, G. Mukherjee, A. A. Sonzogni		NDS 111, 2555 (2010)	30-Jun-2009

Parent: ^{95}Tc : E=38.9 I; $J^\pi=1/2^-$; $T_{1/2}=61$ d 2; %IT decay=3.88 32

^{95}Tc -%IT decay: See comment on I_γ normalization in ^{95}Tc ε decay (61 d).

[1959Un01](#): measured γ 's (NaI) and ce's (mag spect).

[1969Ag04](#): measured ce's (mag spect).

Other: [1966Ce04](#).

α : [Additional information 1](#).

 ^{95}Tc Levels

E(level)	$J^\pi^\dagger$	$T_{1/2}^\dagger$
0.0	$9/2^+$	20.0 h I
38.9 I	$1/2^-$	61 d 2

† From the Adopted Levels.

 $\gamma(^{95}\text{Tc})$

E_γ	$E_i(\text{level})$	J^π_i	E_f	J^π_f	Mult.	α	$I_{(\gamma+ce)}^\dagger$	Comments
38.9 I	38.9	$1/2^-$	0.0	$9/2^+$	M4	5.17×10^4 II	100	ce(K)/($\gamma+ce$)=0.224 6; ce(L)/($\gamma+ce$)=0.619 I2; ce(M)/($\gamma+ce$)=0.137 4; ce(N)/($\gamma+ce$)=0.0199 6; ce(O)/($\gamma+ce$)=0.000373 I2 E_γ : from 1959Un01 . Mult.: from L1:L2:L3 (1969Ag04).

† For absolute intensity per 100 decays, multiply by 0.0388 32.

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Decay Scheme

%IT=3.88 32

