^{134}Te IT decay (164.1 ns)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	A. A. Sonzogni	NDS 103, 1 (2004)	31-Jul-2004

Parent: ^{134}Te: E=1691.34 *16*; $J^{\pi}=6^+$; $T_{1/2}$=164.1 ns *9*; %IT decay=100.0

^{134}Te Levels

E(level)†	J^{π}†	$T_{1/2}$†	Comments
0.0	0^+	41.8 min *8*	
1279.11 *10*	2^+	0.64 ps *20*	
1576.13 *14*	4^+	1.36 ns *11*	
1691.34 *16*	6^+	164.1 ns *9*	%IT=100

† From Adopted Levels.

$\gamma(^{134}Te)$

E_γ†	I_γ‡	E_i(level)	J_i^{π}	E_f	J_f^{π}	Mult.†	α#	Comments
115.2 *1*	49	1691.34	6^+	1576.13	4^+	E2	1.04	α(K)=0.757 *23*; α(L)=0.225 *7*; α(M)=0.0465 *14*; α(N+..)=0.0104 *4* B(E2)(W.u.)=2.05 *4*
297.0 *1*	96	1576.13	4^+	1279.11	2^+	E2	0.0399	α(K)=0.0332 *10*; α(L)=0.00540 *17*; α(M)=0.00109 *4*; α(N+..)=0.00025 *1* B(E2)(W.u.)=4.3 *4*
1279.01 *10*	100	1279.11	2^+	0.0	0^+	[E2]	0.00086	α=0.00086; α(K)=0.00074 *2* B(E2)(W.u.)=6.3 *20*

† From Adopted Gammas.
‡ 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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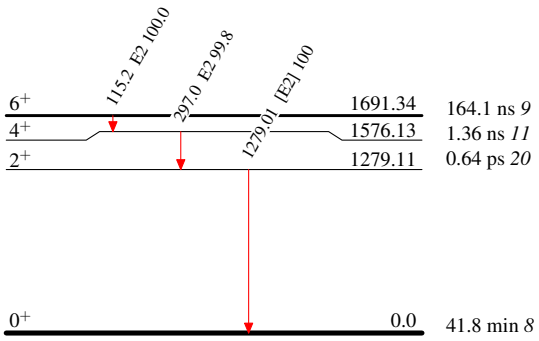
Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
%IT=100.0

Legend
$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$



$^{134}_{52}Te_{82}$