^{68}Ni IT decay (0.86 ms)

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan	NDS 113, 1735 (2012)	1-Mar-2012

Parent: ^{68}Ni: E=2849.1 *3*; $J^\pi=5^-$; $T_{1/2}$=0.86 ms *5*; %IT decay=100.0

α: Additional information 1.

^{68}Ni Levels

E(level)†	J^π†	$T_{1/2}$†
0.0	0^+	29 s *2*
2034.08 *16*	2^+	0.31 ps *5*
2849.1 *3*	5^-	0.86 ms *5*

† From the Adopted Levels.

$\gamma(^{68}Ni)$

E_γ†	I_γ‡#	E_i(level)	J_i^π	E_f	J_f^π	Mult.†	α	Comments
815.0 *2*	99.9073 *13*	2849.1	5^-	2034.08	2^+	E3	0.000928 *13*	α=0.000928 *13*; α(K)=0.000832 *12*; α(L)=8.36×10^{-5} *12*; α(M)=1.176×10^{-5} *17*; α(N+..)=4.92×10^{-7}
2033.2 *2*	99.9617 *6*	2034.08	2^+	0.0	0^+	E2	0.000383 *6*	α=0.000383 *6*; α(K)=4.96×10^{-5} *7*; α(L)=4.81×10^{-6} *7*; α(M)=6.77×10^{-7} *10*; α(N+..)=0.000328 *5*

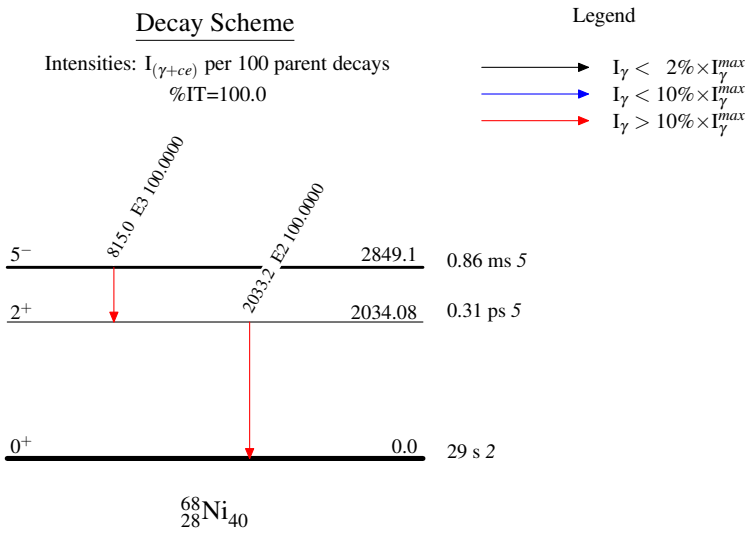
† From the Adopted Gammas.
‡ From intensity balancing.
# Absolute intensity per 100 decays.

^{68}Ni IT decay (0.86 ms)

Decay Scheme

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

%IT=100.0



$^{68}_{28}Ni_{40}$