^{79}Kr IT decay (50 s) 1969Ha03,1971Li02

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

Parent: ^{79}Kr: E=130.01 *2*; $J^\pi=7/2^+$; $T_{1/2}$=50 s *3*; %IT decay=100.0
Other: 1940Cr06.

^{79}Kr Levels

E(level)	J^π†	$T_{1/2}$†	Comments
0.0	$1/2^-$	35.04 h *10*	
130.01 *2*	$7/2^+$	50 s *3*	$T_{1/2}$: from 1969Ha03 (mass separated source). Other: 55 s *2* (1940Cr06) (source contained mixed activities).

† From Adopted Levels, unless otherwise stated.

$\gamma(^{79}Kr)$

E_γ	I_γ‡	E_i(level)	J_i^π	E_f	J_f^π	Mult.	α†	$I_{(\gamma+ce)}$‡	Comments
130.01 *2*	27.7 *6*	130.01	$7/2^+$	0.0	$1/2^-$	E3	2.61	100	ce(K)/(γ+ce)=0.572 *5*; ce(L)/(γ+ce)=0.1289 *21*; ce(M)/(γ+ce)=0.0211 *4* ce(N)/(γ+ce)=0.00178 *3* α(K)=2.07 *3*; α(L)=0.466 *7*; α(M)=0.0762 *11* α(N)=0.00642 *9* E_γ: from 1971Li02. I_γ: from I(γ+ce) and α. Ice(K):Ice(L+M)=2.6 *2* (1971Li02), 3.0 *3* (1969Ha03).

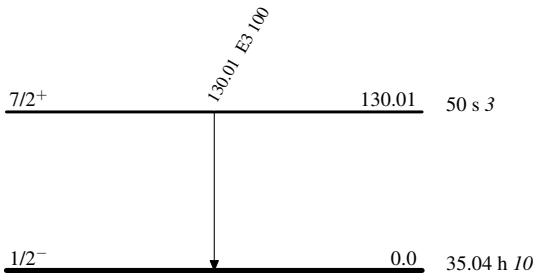
† From BrIcc v2.3b (16-Dec-2014) 2008Ki07, "Frozen Orbitals" appr.
‡ Absolute intensity per 100 decays.

^{79}Kr IT decay (50 s) 1969Ha03,1971Li02

Decay Scheme

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

%IT=100.0



$^{79}_{36}Kr_{43}$