^{87}Sr ε decay (2.815 h) 1969Zo04

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	T. D. Johnson and W. D. Kulp(a)	NDS 129, 1 (2015)	27-Jul-2015

Parent: ^{87}Sr: E=388.533 *3*; $J^{\pi}=1/2^{-}$; $T_{1/2}$=2.815 h *12*; Q(ε)=−282.2 *11*; %ε decay=0.30 *8*

Measured X_K with Si(Li) detector and from ratio of Rb $X_{K\alpha}$ to Sr $X_{K\alpha}$ determined a value of 0.30% *8* for the ε branch from the ^{87}Sr isomer to the ^{87}Rb ground state. Other: 0.65% *25* (1960Su06). The remaining decay is via an isomeric decay to the ^{87}Sr ground state.

^{87}Rb Levels

E(level)	J^{π}
0.0	$3/2^{-}$

ε radiations

E(decay)	E(level)	Iε†	Log *ft*	Comments
(106.3 *11*)	0.0	0.30 *8*	4.40 *12*	εK=0.8445 *5*; εL=0.1276 *4*; εM+=0.02783 *9*

† Absolute intensity per 100 decays.