^{151}Ce β^- decay (1.02 s):? 1969WiZX,1970WiZN

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 110, 1 (2009)	20-Nov-2008

Parent: ^{151}Ce: E=0+x; $T_{1/2}$=1.02 s *6*; Q(β^-)=5.27×10^3 *10*; %β^- decay=?

^{151}Ce-E,$T_{1/2}$: Uncertain activity.

The existence of 1.02-s activity is considered as tentative.

Other: 1974ClZW.

See ^{151}Ce 'Adopted Levels' for assignment of the isotope.

None of the three γ rays reported here is seen by 2006Ko25 who formed the ^{151}Ce source by thermal neutron fission of ^{235}U.

^{151}Pr Levels

E(level)	$T_{1/2}$	Comments
0.0+y?		
96.8+y?	20 ns *8*	$T_{1/2}$: from fragment-fragment-Xγ(t) (1974ClZW).

γ(^{151}Pr)

E_γ	E_i(level)	E_f	Comments
^{x}84.79 *9*			γ yield per ^{252}Cf(SF)=0.0675 *54* (1969WiZX).
96.8† *2*	96.8+y?	0.0+y?	Identification with ^{151}Pr from fragment-fragment-Xγ coincidences (1974ClZW). γ yield per ^{252}Cf(SF)=0.00177 *6*.
^{x}118.57 *9*			γ yield per ^{252}Cf(SF)=0.00182 *5* (1969WiZX).

† Placement of transition in the level scheme is uncertain.

^{x} γ ray not placed in level scheme.

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Decay Scheme