^{159}Lu ε decay 1980Al14

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	C. W. Reich	NDS 113, 157 (2012)	31-Dec-2010

Parent: ^{159}Lu: E=0; $T_{1/2}$=12.1 s *10*; Q(ε)=6127 *42*; %ε+%$β^+$ decay=100.0
^{159}Lu-Q(ε): Additional information 1.
Additional information 2.
Produced by spallation with 1-GeV protons on W target and mass separation. γ′s measured with Ge detector and α′s with Si. 1995Ve05 measured the end-point energy of the positron spectrum, but indicate only that the value is consistent, to within the 100 keV uncertainty, with the known value.

^{159}Yb Levels

E(level)
0

γ(^{159}Yb)

E_γ [†]	I_γ	E_i(level)
[x]150.51 *5*	100	
[x]187.5 *1*	25 *5*	
[x]369.3 *2*	19 *4*	

[†] 1980AlZN, by the same authors as 1980Al14, report two additional γ′s with energies of 225.60 and 292.83 and with Iγ=12 and 23, respectively. Evaluator assumes that the information in 1980Al14 represents the authors′ final assessment.
[x] γ ray not placed in level scheme.