^{151}Lu p decay (80.6 ms) 1993Se04,1982Ho04

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, A. A. Sonzogni	NDS 114, 435 (2013)	1-Apr-2013

Parent: ^{151}Lu: E=0.0; $J^{\pi}=11/2^{-}$; $T_{1/2}$=80.6 ms *19*; Q(p)=1241 *3*; %p decay=63.4 *9*
^{151}Lu-%p decay: from experimental $T_{1/2}$ and assuming $T_{1/2}(\varepsilon+\beta^{+})$=220 ms (1997Mo25).
1993Se04: ^{96}Ru(^{58}Ni,X) E=300, 311 MeV. ^{151}Lu separated by recoil-mass separator. Measured proton spectra and $T_{1/2}$.
1982Ho04: ^{96}Ru(^{58}Ni,X) E=240-302 MeV. ^{151}Lu is produced by p2n channel.
1995Ho26: compilation of earlier measurements on proton emitters, including that on ^{151}Lu.

^{150}Yb Levels

E(level)	J^{π}
0.0	0^{+}

Protons (^{150}Yb)

E(p)	E(^{150}Yb)	Comments
1233 *3*	0.0	from 1993Se04. Other: 1231 *3* (1982Ho04). Identified as L(p)=5 transition (1993Se04,1982Ho04).