^{252}Lr α decay 2001He35

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. J. Martin	NDS 122, 377 (2014)	1-Sep-2014

Parent: ^{252}Lr: E=0; $T_{1/2}$=0.36 s *+11−7*; Q(α)=9164 *17*; %α decay=?

^{252}Lr-Q(α): From 2012Wa38.

The authors quote HF=6.9 and 15 for the 9018 and 8974 α′S, respectively, but No details are given. The %α branch of the parent is not known, and except for ^{248}Fm, the radius parameters are not available In this mass region.

^{248}Md Levels

E(level)	$T_{1/2}$	Comments
0	7 s *3*	$T_{1/2}$: from Adopted Levels.
45 *24*		E(level): from ΔQ(α) with the assumption that the 9018α feeds the g.s. the systematic component of Eα is 10 keV, added quadratically by the authors and subtracted out here to get the uncertainty In ΔQ(α).

α radiations

Eα	E(level)	Iα[†]	Comments
8974 *20*	45	≈25	Eα: other: 8990 (2008Ne01).
9018 *20*	0	≈75	Eα: other: 9020 (2008Ne01).

[†] Relative α intensity per 100 α decays.