^{258}Lr ε decay (3.92 s) 2014Ha04

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 144, 297 (2017)	25-Aug-2017

Parent: ^{258}Lr: E=0; $T_{1/2}$=3.92 s *33*; Q(ε)=3300 *SY*; %ε+%β^+ decay=2.6 *18*

^{258}Lr-$T_{1/2}$: From ^{258}Lr Adopted Levels.

^{258}Lr-Q(ε): 3300 *140* (syst, 2017Wa10).

^{258}Lr-%ε+%β^+ decay: %ε=2.6 *18* (2014Ha04).

2014Ha04: ^{258}Lr from the α decay of ^{262}Db, which was produced in ^{248}Cm(^{19}F,5n),E=97.4,103.1 MeV reaction using RILAC-RIKEN facility. The evaporation residues (EVR) were separated in flight from beam particles and majority of nuclear transfer products by the gas-filled recoil ion separator (GARIS) and transported to the rotating wheel apparatus MANON (Measurement system for Alpha- particle and spontaneous fission events ON-line). Measured $T_{1/2}$, time-correlated $\alpha\alpha$ and α(SF) events using Si PIN photodiodes.

Details of decay scheme are not available.