^{158}Yb α decay 1977Ha48

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	C. W. Reich	NDS 110, 2257 (2009)	1-May-2008

Parent: ^{158}Yb: E=0; J$^{\pi}$=0^{+}; $T_{1/2}$=1.49 min *13*; Q(α)=4172 *7*; %α decay=0.0021 *12*
^{158}Yb-%α decay: From 1992Ha10. Other: ≈ 0.00003 (1977Ha48).
Additional information 1.
1977Ha48: Produced by ^{181}Ta(p,spall) with E=600 MeV (1977Ha48).
1992Ha10: Produced by Ca(^{127}I,x) with E ≤ 711 MeV. Measured α with Si detectors.

^{154}Er Levels

E(level)	J$^{\pi}$
0	0^{+}

α radiations

Eα	E(level)	Iα †	Comments
4065 *7*	0	100	Eα: Average of 4069 *10* (1977Ha48) and 4059 *12* (1992Ha10).

† For absolute intensity per 100 decays, multiply by 0.000021 *12*.