^{150}Tb α decay   **1967Ch28,1967Go32**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Yu. Khazov, A. Rodionov and G. Shulyak	NDS 136, 163 (2016)	14-Jul-2016

Parent: ^{150}Tb: E=0.0; J^{π}=(2$^-$); $T_{1/2}$=3.48 h *16*; Q(α)=3587 *5*; %α decay$\leq$7.0$\times$10^{-4}

^{150}Tb-Q(α): From 2012Wa38.

^{150}Tb-$T_{1/2}$: from Iγ(t) (1973Vy01). Others: 3.15 h *20* from I$_{\alpha}$(t) (1967Ch28), 3.1 h *2* from Iγ(t) (1960To10).

1967Ch28,1967Go32: ^{150}Tb(α) [from Ta(p,X), E=660 MeV]; measured Eα, $T_{1/2}$. Spectrograph, chromatographic separation.

No fine structure was observed (1960To10,1967Ch28).

^{146}Eu Levels

E(level)
0+x

α radiations

Eα	E(level)	I$\alpha^{\dagger}$	Comments
3492 *5*	0+x	100	Eα: from 1967Ch28, 1967Go32, may populate level other than the 4$^-$ g.s.
			HF: 72-505. For r$_0$=1.577 *10* from systematics HF=505 *27* for %α=1$\times$10^{-4} and 72 *4* for %α=7$\times$10^{-4}, calculated using the ALPHAD code.

† For absolute intensity per 100 decays, multiply by $\leq$7$\times$10^{-6}.