

^{150}Dy α decay 1974To07,1977Ha48

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

Parent: ^{150}Dy : $E=0.0$; $J^\pi=0^+$; $T_{1/2}=7.17$ min 5; $Q(\alpha)=4351.3$ 15; $\% \alpha$ decay=33.6 18

^{150}Dy - $Q(\alpha)$ from 2012Wa38; $T_{1/2}$ from 1973Bi06.

^{150}Dy - $\% \alpha$ decay: weighted average of 0.31 3 and 0.36 3 (1974To07), 0.32 5 (1973Bi06), 0.36 5 (1977Ha48).

Measured: $E\alpha$ (1974PeZS,1968Go13,1967Go32,1970Ma23,1977Ha48); branching (1977Ha48,1974To07,1973Bi06); $T_{1/2}$ (1974PeZS,1973Bi06,1970Ma23,1964Ma19).

 ^{146}Gd Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	0^+	48.27 d 9	$T_{1/2}$: from 'Adopted Levels'.

 α radiations

$E\alpha$	E(level)	$I\alpha^\dagger$	Comments
4232 4	0.0	100	$E\alpha$: weighted average of 4240 10 (1970Ma23), 4228 10 (1974PeZS), 4232 5 (1967Go32,1968Go13), 4230 10 (1977Ha48) and see also 1964Ma19, 1960To05.

† For absolute intensity per 100 decays, multiply by 0.336 18.