
 ^{150}Gd α decay [1966Fr11](#),[1965Og01](#)

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}Gd : $E=0.0$; $J^\pi=0^+$; $T_{1/2}=1.79\times 10^6$ y 8; $Q(\alpha)=2808$ 6; % α decay=100.0

^{150}Gd - $Q(\alpha)$: from [2012WA38](#).

[1966Fr11](#): ^{150}Gd α decay; measured $E\alpha$, $T_{1/2}$. Cyclotron, separator, chemical purification, ionization chamber.

[1965Og01](#): ^{150}Gd α decay [from ^{150}Eu β^- decay]; measured $E\alpha$, $T_{1/2}$. Ionization chamber.

Others: [1953Ra02](#), [1962Do13](#), [1962Si14](#), [1967Go32](#).

 ^{146}Sm Levels

<u>$E(\text{level})$</u>	<u>J^π</u>
0.0	0^+

 α radiations

<u>$E\alpha$</u>	<u>$E(\text{level})$</u>	<u>$I\alpha^\dagger$</u>	<u>Comments</u>
2726 9	0.0	100	$E\alpha$: weighted average of 2715 18 (1965Og01), 2700 150 (1953Ra02), 2.7×10^3 1 (1966Fr11) and 2730 10 (1962Si14).

† Absolute intensity per 100 decays.