
 ^{246}Md α decay (0.9 s) [2010An08,1996Ni09](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. J. Martin, C. D. Nesaraja		NDS 186, 261 (2022)	31-Dec-2021

Parent: ^{246}Md : E=0+x; $T_{1/2}$ =0.9 s 2; $Q(\alpha)$ =8890 40; % α decay=100.0

^{246}Md - $T_{1/2}$: from [2010An08](#) as adopted in [2011Br11](#).

^{246}Md - $Q(\alpha)$: From [2021Wa16](#).

% α =100 for ^{246}Md 0.9 s was determined by [2010An08](#).

 ^{242}Es Levels

E(level)	$T_{1/2}$	Comments
0.0	17.8 s 16	
218 50		E(level): From $E\alpha$ and $Q\alpha$.

 α radiations

$E\alpha$	E(level)	$I\alpha^{\dagger\dagger}$	Comments
8530 30	218	≈ 75	$E\alpha$: From 1996Ni09 . Other: 8380-8640 (2010An08).
8741 20	0.0	≈ 25	$E\alpha$: A weighted average of 8740 20 (1996Ni09) and 8744 40 (2010An08) gives 8741 18. The evaluators increase the uncertainty to the smaller of the two input values.

† From [2010An08](#).

‡ Absolute intensity per 100 decays.

 $\gamma(^{242}\text{Es})$

E_{γ}	$E_i(\text{level})$
$^{x169.0^{\dagger}}$	
$^{x232.5^{\dagger\dagger}}$	
$^{x396.4^{\dagger\dagger}}$	

† Seen in coincidence with the 8530 α .

‡ Placement of transition in the level scheme is uncertain.

x γ ray not placed in level scheme.