

^{246}Md α decay (4.4 s) 2010An08

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+y; $T_{1/2}=4.4$ s 8; $Q(\alpha)=8890$ 40; % α decay<23.0

^{246}Md -Q(α): From 2021Wa16.

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

 ^{242}Es Levels

E(level)	$T_{1/2}$	Comments
0.0	17.8 s 16	
252.0?		E(level): Or 279 depending on the order of the 252-279 cascade.
531.0		

 α radiations

E α	E(level)	I $\alpha^{\dagger}$
8178 10	531.0	100

† For absolute intensity per 100 decays, multiply by <0.23.

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

E γ	E $_i$ (level)	E $_f$	Mult.
252.0 ††	252.0?	0.0	E1,E2
279.0	531.0	252.0?	

† The 252 and 279 γ 's are in cascade and must have mult=E1 or E2 from the absence of ce- α pileup. Their relative order has not been established.

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Decay Scheme

