

$^{277}\text{Ds}$   $\alpha$  decay (3.5 ms) [2010EI06,2015Ut02,2018Ut02](#)

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	C. Morse	NDS 182, 167 (2022)	14-Sep-2021

Parent:  $^{277}\text{Ds}$ : E=0;  $T_{1/2}=3.5$  ms  $+21-10$ ;  $Q(\alpha)=10900$  SY; % $\alpha$  decay=100.0

$^{277}\text{Ds}$ - $T_{1/2}$ : From Adopted Levels.

$^{277}\text{Ds}$ - $Q(\alpha)$ : From [2021WA16](#).

 $^{273}\text{Hs}$  Levels

<u>E(level)</u>	<u><math>T_{1/2}</math></u>	<u>Comments</u>
0	0.51 s $+30-13$	% $\alpha=100$ ; %SF $\leq 12.5$

 $\alpha$  radiations

<u><math>E\alpha</math></u>	<u>E(level)</u>	<u>Comments</u>
$10.55 \times 10^3$ eV	0	$E\alpha$ : Weighted average of six events. Assumed g.s. to g.s. transition.