
 ^{283}Cn α decay (4.6 s)

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	C. Morse	NDS 182, 130 (2022).	14-Sep-2021

Parent: ^{283}Cn : E=0; $T_{1/2}=4.6\text{ s} +10-7$; $Q(\alpha)=9888\text{ SY}$; $\% \alpha$ decay=85.0

^{283}Cn - $T_{1/2}$: From Adopted Levels.

^{283}Cn - $Q(\alpha)$: From [2021WA16](#).

References: [2004OG07](#),[2004OG12](#),[2006OG05](#),[2007HO18](#),[2009ST21](#),[2017KA31](#), [2007EI03](#),[2008EI03](#),[2010EI01](#),[2012HO12](#),[2016HO09](#).

 ^{279}Ds Levels

<u>E(level)</u>	<u>$T_{1/2}$</u>	<u>Comments</u>
0	0.216 s +47-33	$\% \alpha=12.5$; $\% \text{SF}=88.5$
1.9×10^2 5	0.17 s +30-7	$\% \text{SF}=100$; $\% \alpha \leq 33.3$

 α radiations

<u>$E\alpha$</u>	<u>E(level)</u>	<u>Comments</u>
9.33×10^3 5	190	$E\alpha$: Weighted average of two events.
9.52×10^3 1	0	Assumed g.s. to g.s. transition.
		$E\alpha$: Weighted average of 28 events.