

$^{243}\text{Fm}$   $\alpha$  decay [1981Mu12](#)

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	E. Browne, J. K. Tuli		NDS 122, 293 (2014)	30-Jun-2013

Parent:  $^{243}\text{Fm}$ :  $E=0$ ;  $T_{1/2}=0.231$  s 9;  $Q(\alpha)=8693$  50;  $\% \alpha$  decay=91 3

$^{243}\text{Fm}$ - $T_{1/2}$ : From [2008Kh10](#) for 2700 8.55 MeV  $\alpha$ 's. Earlier value of 0.18 s +8-4 based only on 10  $\alpha$ 's.

$^{243}\text{Fm}$ - $\% \alpha$  decay: From [2008Kh10](#). Other value:  $\% \text{Branching}=40$  20 from  $\alpha$ - $\alpha$  parent-daughter correlations ([1981Mu12](#)).

$^{206}\text{Pb}$ ( $^{40}\text{Ar},3n$ ),  $E(\text{Ar})=194$  MeV; velocity filter; position-sensitive surface barrier detectors,  $\alpha$ - $\alpha$  parent-daughter correlations; excitation curve ([1981Mu12](#)).

 $^{239}\text{Cf}$  LevelsE(level)

(0)

 $\alpha$  radiations $E\alpha$ E(level)

8546 25