

Table 2. Low energy fission properties of some heavy element isotopes.

Fissioning Nuclide	SF $T_{1/2}$ (Seconds)	Peak-to-Valley Ratio ^a	$\overline{\text{TKE}}$ (MeV)	$\sigma_{\overline{\text{TKE}}}$	$\overline{\nu}_T$
²⁵⁰ Cf	5.4×10^{11}	> 300 (RC)	187.0	11.3	3.49
²⁵⁰ Cf*	-	≥ 50 (RC)	189.1	13.0	-
²⁵² Cf	2.7×10^9	≥ 750 (RC)	185.7	11.6	3.73
²⁵² Cf*	-	≈ 20 (RC)	185	15.5	-
²⁵⁴ Cf	5.2×10^6	≥ 145 (RC)	186.9	11.8	3.89
²⁵⁶ Cf	7.4×10^2	Asymm. (SS)	189.8	14.6	-
²⁵³ Es	2.0×10^{13}	326 (RC)	191	13.4	-
²⁵⁵ Es*	-	≈ 8 (SS)	194.3	15.9	-
²⁴⁶ Fm	1.3×10^0	≥ 10 (SS)	199	14.8	-
²⁴⁸ Fm	3.8×10^1	≥ 10 (SS)	198	14.5	-
²⁵⁴ Fm	2.0×10^7	≈ 42 (RC)	195.1	11.7	3.96
²⁵⁶ Fm	1.0×10^4	12 (SS)	197.9	14.4	3.70
²⁵⁶ Fm*	-	2.5 (RC)	195.5	18	-
²⁵⁷ Fm	4.1×10^9	≈ 1.5 (SS)	197.6	15.3	3.77
²⁵⁸ Fm	3.8×10^{-4}	Symm., $\sigma = 8$ (SS)	238	14	-
²⁵⁸ Fm*	-	Symm., Broad (SS)	197	-	-
²⁵⁹ Fm	1.5×10^0	Symm., $\sigma = 11$ (SS)	242	21	-
²⁵⁹ Md	5.7×10^3	Symm., $\sigma = 13$ (SS)	189	44	-
²⁵² No	8.6×10^0	Asymm. (SS)	202.4	15.4	4.15

*Thermal-neutron induced fission

^aRC indicates radiochemical determinations;
SS indicates solid-state measurements.