

^{242}Cm $Z = 96$ $N = 146$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 1823.350 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-6.216 (0.002)	-----			
242CM	1 0.000	0+			1 162.8 D 2
242CM	2 0.042	2+			2
242CM	3 0.137	4+			3
242CM	4 0.288	6+			4
242CM	5		0+X		5 40 PS 15
242CM	6		2.800		6 180 NS 70

S-p = 5.420 (0.002)-----
 S-n = 6.969 (0.002)-----
 S-2p = 9.900 (0.002)-----
 S-2n = 13.063 (0.002)-----
 S-alpha= -6.216 (0.002)-----

S+p = -3.403 (0.005)
 S+n = -5.693 (0.002)
 S+2p = -7.904 (0.003)
 S+2n = -12.495 (0.002)
 S+alpha = 6.862 (0.002)

gap p = 2.017 (0.005)
 gap n = 1.276 (0.003)
 gap 2p = 1.996 (0.003)
 gap 2n = 0.568 (0.003)
 gap alpha = 0.646 (0.003)