

^{239}Am $Z = 95$ $N = 144$ adopted link ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 1805.332 (0.002) MeV

Qbeta+ = 0.802 (0.002) MeV

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

S-alpha=	-5.922 (0.002)				
239AM 1				0.000 (5/2)-	1 11.9 H 1
239AM 2				0.041 (7/2-)	2
239AM 3				0.094 (9/2-)	3
239AM 4				0.156 (11/2-)	4
239AM 5				0.187 (5/2+)	5
239AM 6				0.220 (7/2+)	6
239AM 7				0.260 (9/2+)	7
239AM 8				0.317 (11/2+)	8
239AM 9				0.370 (13/2+)	9
239AM 10				0.557 (3/2-)	10

239AM 11				0.586 (5/2-)	11
239AM 12				2.500 (7/2+)	12 163 NS 12

S-p = 4.062 (0.002)-----
 S-n = 7.102 (0.059)-----
 S-2p = 10.059 (0.002)-----
 S-2n = 13.375 (0.002)-----
 S-alpha= -5.922 (0.002)-----

S+p = -4.955 (0.003)
 S+n = -5.952 (0.014)
 S+2p = -7.952 (0.241)
 S+2n = -12.599 (0.002)
 S+alpha = 6.874 (0.005)

gap p = -0.894 (0.004)
 gap n = 1.151 (0.061)
 gap 2p = 2.107 (0.241)
 gap 2n = 0.776 (0.003)
 gap alpha = 0.952 (0.005)