

^{243}Am $Z = 95$ $N = 148$ adopted link ENSDF link

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

BE = 1829.832 (0.001) MeV

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

S-alpha=	-5.439	(0.002)	-----		
243AM 1			0.000	5/2-	1 7364 Y 22
243AM 2			0.042	7/2-	2 40 PS AP
243AM 3	0.084	5/2+			3 2.34 NS 7
243AM 4			0.096	9/2-	4
243AM 5	0.109	7/2+			5
243AM 6				0.143 (9/2+)	6
243AM 7			0.162	11/2-	7
243AM 8				0.189 (11/2+)	8
243AM 9			0.238	13/2-	9
243AM 10				0.244 (13/2+)	10

243AM 11			0.265	3/2-	11
243AM 12				0.300 (5/2-)	12
243AM 13				0.345 (7/2-)	13
243AM 14				0.383	14
243AM 15				0.407	15
243AM 16				0.423	16
243AM 17				0.445	17
243AM 18	0.466	7/2+			18
243AM 19				0.466 (11/2-)	19
243AM 20				0.532 (9/2+)	20

243AM 21				0.586	21
243AM 22				0.704 (13/2+)	22
243AM 23				0.724	23
243AM 24				0.933	24
243AM 25				0.977 (9/2-)	25
243AM 26				1.053	26
243AM 27				1.123	27
243AM 28				1.174	28
243AM 29				1.222	29
243AM 30				2.300	30 5.5 US 5

S-p = 4.831 (0.002)-----
S-n = 6.364 (0.002)-----
S-2p = 11.718 (0.100)-----
S-2n = 11.902 (0.002)-----
S-alpha= -5.439 (0.002)-----

S+p = -6.012 (0.002)
S+n = -5.367 (0.002)
S+2p = -9.939 (0.002)
S+2n = -11.417 (0.002)
S+alpha = 5.890 (0.005)

gap p = -1.181 (0.003)
gap n = 0.997 (0.003)
gap 2p = 1.779 (0.100)
gap 2n = 0.485 (0.003)
gap alpha = 0.451 (0.006)