

^{245}Am $Z = 95$ $N = 150$ adopted link ENSDF link

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

BE = 1841.250 (0.002) MeV

Qbeta- = 0.896 (0.002) MeV

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

S-alpha=	-5.160	(0.100)	-----		
245AM 1				0.000 (5/2)+	1 2.05 H 1
245AM 2				0.019 (7/2)+	2
245AM 3				0.028 (5/2-)	3
245AM 4				0.047 (9/2+)	4
245AM 5				0.070 (7/2-)	5
245AM 6				0.088 (11/2+)	6
245AM 7				0.125 (9/2-)	7
245AM 8				0.135 (13/2+)	8
245AM 9				0.191 (11/2-)	9
245AM 10	0.327	7/2+			10

245AM 11	0.396	9/2+			11
245AM 12	0.476	11/2+			12
245AM 13				0.563 (13/2+)	13
245AM 14				0.887 (7/2+)	14
245AM 15				0.921 (9/2+, 11/2+)	15
245AM 16				0.958 (9/2)+	16
245AM 17				0.988 (7/2+, 9/2+)	17
245AM 18				1.024 (7/2+, 9/2-)	18
245AM 19				1.065	19
245AM 20				1.111	20

245AM 21				1.186	21
245AM 22				2.400	22 640 NS 60

S-p = 5.194 (0.003)-----

S-n = 6.050 (0.002)-----

S-2p = 12.432 (0.002)-----

S-2n = 11.417 (0.002)-----

S-alpha= -5.160 (0.100)-----

S+p = -6.573 (0.002)

S+n = -4.980 (0.002)

S+2p = -10.989 (0.006)

S+2n = -11.004 (0.002)

S+alpha = 5.521 (0.002)

gap p = -1.378 (0.004)

gap n = 1.070 (0.003)
gap 2p = 1.443 (0.006)
gap 2n = 0.414 (0.003)
gap alpha = 0.360 (0.100)