

^{244}Am $Z = 95$ $N = 149$ adopted link ENSDF link

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

BE = 1835.199 (0.001) MeV

Qbeta- = 1.427 (0.002) MeV

Qbeta+ = 0.073 (0.003) MeV

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

S-alpha=	-5.138	(0.017)	-----					
244AM 1						0.000	(6-)	1 10.1 H 1
244AM 2	0.090	1+						2 26 M
244AM 3	0.102	2+						3
244AM 4	0.125	3+						4
244AM 5	0.150	4+						5
244AM 6			0.177	1-				6
244AM 7	0.185	5+						7
244AM 8			0.199	2-				8
244AM 9			0.230	3-				9
244AM 10			0.263	2-				10

244AM 11			0.274	4-				11
244AM 12			0.291	1-				12
244AM 13			0.298	3-				13
244AM 14			0.324	5-				14
244AM 15					0.337	(0)-		15
244AM 16			0.344	3-				16
244AM 17			0.345	4-				17
244AM 18	0.350	3+						18
244AM 19			0.363	2-				19
244AM 20					0.370	(5-)		20

244AM 21					0.379	(0)+		21
244AM 22					0.391	(4)+		22
244AM 23			0.400	5-				23
244AM 24	0.416	2+						24
244AM 25	0.421	2+						25
244AM 26	0.422	2+						26
244AM 27					0.423	(3)-		27
244AM 28					0.433			28
244AM 29					0.436			29
244AM 30					0.437	(4)-		30

244AM 31					0.439	(5-)		31
244AM 32					0.446	(3)+		32
244AM 33					0.456	(1)+		33
244AM 34					0.458	(4)+		34
244AM 35					0.468	(4)-		35

244AM	36				0.480	(2)+	36
244AM	37				0.480	(4)+	37
244AM	38		0.486	2-			38
244AM	39				0.497	(4)+	39
244AM	40				0.513	(7-)	40

244AM	41				0.516	(3)+	41
244AM	42				0.518	(5+)	42
244AM	43		0.518	2-			43
244AM	44				0.526	(3)-	44
244AM	45		0.537	3-			45
244AM	46		0.563	4-			46
244AM	47				0.572		47
244AM	48				0.580	(4-)	48
244AM	49		0.586	2-			49
244AM	50				0.612	(5)+	50

244AM	51				0.617	(2)+	51
244AM	52				0.623		52
244AM	53				0.645	(3)+	53
244AM	54				0.652	(3)+	54
244AM	55				0.672	(2)+	55
244AM	56				0.682	(1)-	56
244AM	57				0.698	(4+)	57
244AM	58		0.701	2-			58
244AM	59				0.712		59
244AM	60		0.733	3-			60

244AM	61				0.754		61
244AM	62				0.758	(5+)	62
244AM	63				0.773		63
244AM	64				0.776	(1)+	64
244AM	65				0.781	(4-)	65
244AM	66				0.782	(2)-	66
244AM	67				0.784	(2)-	67
244AM	68				0.791	(2-)	68
244AM	69				0.797	(4-)	69
244AM	70				0.800	(2)-	70

244AM	71				0.810	(3)-	71
244AM	72				0.827	(2)-	72
244AM	73				0.834		73
244AM	74				0.838		74
244AM	75				0.842	(2)+	75
244AM	76				0.844	(1,2,3)+	76
244AM	77				0.861	(3+)	77
244AM	78				0.865		78
244AM	79				0.877	(2+)	79
244AM	80				0.882	(1,2)-	80

244AM 81				0.890	81
244AM 82				0.892	82
244AM 83				0.899	83
244AM 84				0.913	84
244AM 85				0.921	85
244AM 86				0.932	86
244AM 87				0.941	87
244AM 88				0.950	88
244AM 89				0.961	89
244AM 90				0.987	90

244AM 91				0.998	91
244AM 92				1.014	92
244AM 93				1.029	93
244AM 94				1.045	94
244AM 95				1.051	95
244AM 96				1.062	96
244AM 97				1.070	97
244AM 98				1.074	98
244AM 99				1.102	99
244AM 100				1.130	100

244AM 101				1.147	101
244AM 102				1.150	102
244AM 103				1.162	103
244AM 104				1.184	104
244AM 105				1.208	105
244AM 106				1.257	106
244AM 107				1.286	107
244AM 108				1.340	108
244AM 109				1.362	109

S-p = 5.164 (0.003)-----
S-n = 5.367 (0.002)-----
S-2p = 12.116 (0.200)-----
S-2n = 11.731 (0.002)-----
S-alpha= -5.138 (0.017)-----

S+p = -6.164 (0.002)
S+n = -6.050 (0.002)
S+2p = -10.490 (0.060)
S+2n = -11.031 (0.001)
S+alpha = 5.827 (0.050)

gap p = -0.999 (0.004)
gap n = -0.683 (0.003)
gap 2p = 1.625 (0.209)
gap 2n = 0.701 (0.002)
gap alpha = 0.689 (0.053)