

^{134}Ba $Z = 56$ $N = 78$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 1126.695 (0.000) MeV

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

134BA	1 0.000	0+			1 STABLE
134BA	2 0.605	2+			2 5.12 PS 9
134BA	3 1.168	2+			3 2.7 PS 8
134BA	4 1.401	4+			4 0.83 PS 9
S-alpha=	1.494 (0.000)				
134BA	5 1.643	3+			5 78 PS 21
134BA	6 1.761	0+			6
134BA	7 1.970	4+			7
134BA	8		1.986 5-		8 52 NS 6
134BA	9 2.029	2+			9 0.159 PS 16
134BA	10 2.088	2+			10 0.059 PS 5

134BA	11 2.118	(4+)			11
134BA	12 2.160	(0)+			12 0.104 PS +28-21
134BA	13 2.165	(4+)			13
134BA	14 2.211	(6+)			14
134BA	15			2.245	15
134BA	16		2.255 3-		16
134BA	17		2.272 7-		17
134BA	18			2.280 (2,3)	18
134BA	19 2.285	(5)+			19
134BA	20 2.300	(6+)			20

134BA	21			2.311 (1)	21
134BA	22			2.335 1,2+	22 0.21 PS +10-6
134BA	23 2.337	0+			23 0.097 PS +28-21
134BA	24 2.371	2+			24 0.46 PS +21-12
134BA	25			2.377 (6)	25
134BA	26 2.379	0+			26
134BA	27 2.464	(2+)			27
134BA	28 2.470	(5)+			28
134BA	29 2.479	4+			29
134BA	30			2.480 (2,3)	30

134BA	31 2.488	0+			31 0.13 PS +9-4
134BA	32 2.506	(4+)			32 0.15 PS +23-7
134BA	33		2.531 (5- TO 7-)		33
134BA	34			2.537 0 TO 2	34 0.15 PS +19-6
134BA	35			2.565 1+,2+	35 0.06 PS +12-4
134BA	36 2.571	1(+)			36

134BA 37		2.574	(2+)						37
134BA 38		2.600	2+						38
134BA 39		2.656	(2+)						39
134BA 40							2.662 3 T0 5		40

134BA 41							2.678 3,4		41
134BA 42							2.697 1,2		42
134BA 43							2.729 1,2+		43
134BA 44		2.748	2+						44
134BA 45							2.759 1,2+		45
134BA 46							2.761 1,2		46
134BA 47							2.774 3,4		47
134BA 48							2.780		48
134BA 49							2.806 (1)		49
134BA 50					2.824	1-			50

134BA 51							2.829 1+,2+		51
134BA 52		2.836	(8+)						52
134BA 53		2.851	2+						53
134BA 54		2.874	0+						54
134BA 55							2.877 3 T0 5		55
134BA 56							2.887 1,2		56
134BA 57							2.913		57
134BA 58							2.918 2		58
134BA 59							2.926 3 T0 5		59
134BA 60		2.939	1+						60

134BA 61							2.944 2 T0 4		61
134BA 62							2.951 3,4		62
134BA 63		2.957	(10+)					2.63 US 14	63
134BA 64		2.996	(0)+						64
134BA 65							3.004 1,2+		65
134BA 66							3.011 (1)		66
134BA 67							3.012		67
134BA 68		3.027	(1+)						68
134BA 69		3.061	2(+)						69
134BA 70							3.069 1,2+		70

134BA 71							3.075 (2)		71
134BA 72		3.079	4+						72
134BA 73							3.087 1+,2+		73
134BA 74							3.160 1,2+		74
134BA 75		3.181	(0)+						75
134BA 76							3.216 1,2+		76
134BA 77					3.240	(9-)			77
134BA 78							3.242		78
134BA 79		3.246	(1+)						79
134BA 80							3.262 2 T0 4		80

134BA 81							3.272 1-,2-		81

134BA 82				3.311	82
134BA 83				3.315 2,3	83
134BA 84		3.327	(1+)		84
134BA 85				3.328	85
134BA 86				3.343 (1)	86
134BA 87				3.369 1,2	87
134BA 88				3.372 2 TO 4	88
134BA 89				3.409 1,2	89
134BA 90				3.432 1,2+	90

134BA 91				3.443 2 TO 4	91
134BA 92		3.450	(1+)		92
134BA 93				3.451 1,2+	93
134BA 94				3.459	94
134BA 95		3.471	2+		95
134BA 96				3.500 (1,2)	96
134BA 97		3.501	(0)+		97
134BA 98				3.504	98
134BA 99				3.549 1,2+	99
134BA 100				3.560 1	100

134BA 101				3.589 1	101
134BA 102				3.599	102
134BA 103				3.617 (1)	103
134BA 104		3.618	(0)+		104
134BA 105				3.636	105
134BA 106				3.652 1,2+	106
134BA 107		3.684	2+		107
134BA 108				3.705 1	108
134BA 109				3.754	109
134BA 110				3.783 (1)	110

134BA 111				3.836 1	111
134BA 112		3.854	2+		112
134BA 113				3.899	113
134BA 114				3.954	114
134BA 115				3.980 (1)	115
134BA 116				3.992 (1)	116
134BA 117				4.001	117
134BA 118				4.019	118
134BA 119				4.083	119
134BA 120				4.517	120

134BA 121				4.550	121
134BA 122				4.635	122
134BA 123				5.001	123
134BA 124				5.015	124
134BA 125				5.231	125

S-p = 8.168 (0.000) -----
S-n = 9.468 (0.001) -----
S-2p = 14.249 (0.000) -----
S-2n = 16.658 (0.001) -----
S-alpha= 1.494 (0.000) -----

S+p = -4.983 (0.009)
S+n = -6.972 (0.000)
S+2p = -12.137 (0.000)
S+2n = -16.080 (0.000)
S+alpha = -1.041 (0.001)

gap p = 3.185 (0.009)
gap n = 2.496 (0.001)
gap 2p = 2.112 (0.000)
gap 2n = 0.578 (0.001)
gap alpha = 0.453 (0.001)