

$^{200}\text{Hg}$        $Z = 80$        $N = 120$       [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 1581.179 ( 0.001) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-0.716	( 0.001)	-----		
200HG 1	0.000	0+			1 STABLE
200HG 2	0.368	2+			2 46.4 PS 4
200HG 3	0.947	4+			3 3.24 PS 5
200HG 4	1.029	0+			4
200HG 5	1.254	2+			5 3.5 PS 8
200HG 6	1.515	0+			6
200HG 7	1.570	1+			7
200HG 8	1.574	2+			8
200HG 9	1.593	2+			9
200HG 10				1.629	10
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200HG 11	1.631	1+			11
200HG 12	1.641	2+			12
200HG 13	1.659	3+			13
200HG 14	1.707	6+			14 0.70 PS 6
200HG 15	1.718	1+			15
200HG 16	1.731	2+			16
200HG 17	1.734	3+			17
200HG 18	1.776	3+			18
200HG 19	1.846	3+			19
200HG 20			1.851	5-	20
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200HG 21	1.857	0+			21
200HG 22	1.883	2+			22
200HG 23			1.963	7-	23 0.8 NS LE
200HG 24	1.972	2+			24
200HG 25				1.974 (3)+	25
200HG 26			2.049	6-	26
200HG 27	2.061	1+			27
200HG 28				2.074 1+,2	28
200HG 29				2.114 (2,3)+	29
200HG 30	2.117	0+			30
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200HG 31	2.127	2+			31
200HG 32				2.128 (2,3)+	32
200HG 33			2.135	8-	33
200HG 34			2.144	9-	34 1.07 NS 4
200HG 35			2.151	3-	35
200HG 36	2.189	1+			36
200HG 37	2.229	1+			37

200HG	38					2.239	(3)	38
200HG	39					2.246	(1,2)+	39
200HG	40					2.274	(1,2)+	40
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200HG	41					2.284	5-,6,7-	41
200HG	42	2.289	2+					42
200HG	43	2.296	1+					43
200HG	44					2.299	5-,6,7-	44
200HG	45	2.332	2+					45
200HG	46					2.344	(3)+	46
200HG	47	2.370	1+					47
200HG	48					2.377	6-,7,8-	48
200HG	49					2.389	(1,2,3)+	49
200HG	50					2.412	(1,2)+	50
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200HG	51			2.443	1-			51
200HG	52					2.462	1(+)	52
200HG	53					2.491	(1,2)+	53
200HG	54					2.515		54
200HG	55			2.523	10-			55
200HG	56					2.565	(0,1,2)	56
200HG	57			2.591	1-			57
200HG	58					2.597	(9)	58
200HG	59			2.609	3-			59
200HG	60	2.640	1+					60
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200HG	61			2.642	11-			61
200HG	62					2.659		62
200HG	63	2.680	8+					63
200HG	64					2.692	(1,2)+	64
200HG	65	2.697	0+					65
200HG	66					2.701	(2)+	66
200HG	67					2.763	(1,2)+	67
200HG	68					2.794	(1,2)+	68
200HG	69					2.832	(1-)	69
200HG	70			2.848	1-			70
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200HG	71					2.853	(1,2)+	71
200HG	72					2.862	1,2+	72
200HG	73	2.878	1+					73
200HG	74					2.893	(1+)	74
200HG	75	2.938	1+					75
200HG	76			2.960	1-			76
200HG	77	2.978	1+					77
200HG	78					2.989		78
200HG	79					3.028	(0,1,2)	79
200HG	80					3.042	(0,1,2)	80
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200HG	81	3.053	1+					81
200HG	82					3.063	(0,1,2)	82

200HG 83		3.074	1+							83
200HG 84							3.104	(0,1,2)		84
200HG 85		3.121	10+							85
200HG 86					3.123	12-				86
200HG 87							3.131	(0,1,2)		87
200HG 88							3.169			88
200HG 89							3.180	(0,1,2)		89
200HG 90		3.186	1+							90
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200HG 91							3.199	(0,1,2)		91
200HG 92		3.215	12+							92
200HG 93							3.217	(1)+		93
200HG 94							3.229	(1)+		94
200HG 95							3.258	(0,1,2)		95
200HG 96		3.269	1+							96
200HG 97		3.289	1+							97
200HG 98							3.323	(0,1,2)		98
200HG 99							3.338	(0,1,2)		99
200HG 100							3.353	(1+)		100
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200HG 101							3.370	(0,1,2)		101
200HG 102							3.386	(0,1,2)		102
200HG 103					3.398	13-				103
200HG 104							3.401	(0,1,2)		104
200HG 105							3.413	(0,1,2)		105
200HG 106							3.441	(0,1,2)		106
200HG 107							3.453	(1+)		107
200HG 108							3.459	(0,1,2)		108
200HG 109							3.476	(0,1,2)		109
200HG 110							3.492	(1+)		110
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200HG 111							3.512	(0,1,2)		111
200HG 112							3.536	(0,1,2)		112
200HG 113							3.554	(0,1,2)		113
200HG 114							3.569	(1+)		114
200HG 115							3.575	(0,1,2)		115
200HG 116							3.586	(0,1,2)		116
200HG 117		3.612	14+							117
200HG 118							3.643	(0,1,2)		118
200HG 119							3.655	(1+)		119
200HG 120		3.673	14+							120
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200HG 121							3.684	(0,1,2)		121
200HG 122							3.701	(0,1,2)		122
200HG 123							3.781	(0,1,2)		123
200HG 124							3.826	(0,1,2)		124
200HG 125							3.873	(14+)		125
200HG 126					4.025	14-				126
200HG 127							4.095	(15)		127
200HG 128		4.196	16+							128

