

^{190}Hg $Z = 80$ $N = 110$ [link to full NNDC output](#)

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

BE = 1502.333 (0.016) MeV

Qbeta+ = 1.463 (0.016) MeV

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

S-alpha=	-4.069	(0.027)	-----		
190HG 1	0.000	0+			1 20.0 M 5
190HG 2	0.416	2+			2
190HG 3	1.042	4+			3
190HG 4	1.100	2+			4
190HG 5	1.279	0+			5
190HG 6	1.559	2+			6
190HG 7	1.571	2+			7
190HG 8				1.657 (3)+	8
190HG 9	1.773	6+			9
190HG 10				1.851 (2+,3,4+)	10

190HG 11			1.881 5-		11
190HG 12	1.975	4+			12
190HG 13				2.073 (4,5,6)+	13
190HG 14			2.078 7-		14
190HG 15				2.163 (4+)	15
190HG 16				2.201 (5)+	16
190HG 17				2.251 (6,7)-	17
190HG 18				2.319 (4-,5,6+)	18
190HG 19				2.319 (8)-	19
190HG 20				2.336 (9-)	20

190HG 21				2.343 (4+,5,6+)	21
190HG 22				2.365 (4+,5,6+)	22
190HG 23				2.392 (5-:9-)	23
190HG 24				2.425 (5-:9-)	24
190HG 25				2.465 (8)+	25
190HG 26	2.510	6+			26
190HG 27				2.573 (8)+	27
190HG 28				2.597 (10+)	28
190HG 29				2.621 (12+)	29 23 NS 1
190HG 30				2.724 (10-)	30

190HG 31				2.822 (3+:6+)	31
190HG 32				2.845 (10-)	32
190HG 33				2.866 (11-)	33
190HG 34				3.007 (11-)	34
190HG 35				3.041 (14+)	35
190HG 36				3.213 (10+)	36

190HG 37				3.277	(12+)	37
190HG 38				3.282	(10-)	38
190HG 39				3.329	(12-)	39
190HG 40				3.350	(10+)	40

190HG 41				3.358	(12-)	41
190HG 42				3.446	(11+)	42
190HG 43				3.494	(13-)	43
190HG 44				3.549	(13-)	44
190HG 45				3.703	(16+)	45
190HG 46				3.744	(14+)	46
190HG 47				3.951	(13+)	47
190HG 48				3.962	(15-)	48
190HG 49				3.980	(14-)	49
190HG 50				4.088	(15-)	50

190HG 51				4.183	(15-)	51
190HG 52				4.243	(16-)	52
190HG 53				4.258	(15-)	53
190HG 54				4.327	(17-)	54
190HG 55				4.360	(16+)	55
190HG 56				4.417	(16+)	56
190HG 57				4.493	(18+)	57
190HG 58				4.552	(18-)	58
190HG 59				4.578	(15+)	59
190HG 60				4.669	(17-)	60

190HG 61				4.711	(19-)	61
190HG 62				4.916	(18+)	62
190HG 63				4.953	(17-)	63
190HG 64				4.992	(18+)	64
S-p	=	5.078	(0.026)	-----		
190HG 65				5.103	(18-)	65
190HG 66				5.107	(20-)	66
190HG 67				5.221	(16+)	67
190HG 68				5.229	(20+)	68
190HG 69				5.263	(19-)	69
190HG 70				5.281	(20-)	70

190HG 71				5.329	(19-)	71
190HG 72				5.336	(21-)	72
190HG 73				5.352	(20+)	73
190HG 74				5.375	(19-)	74
190HG 75				5.406	(16+)	75
190HG 76				5.482	(20+)	76
190HG 77				5.556	(20-)	77
190HG 78				5.640	(17+)	78
190HG 79				5.661	(20+)	79
190HG 80				5.672	(20-)	80

190HG 81				5.789	(18+)	81
190HG 82				5.795	(22+)	82
190HG 83				5.857	(22-)	83
190HG 84				5.944	(22+)	84
190HG 85				5.970	(22+)	85
190HG 86				6.005	(19+)	86
190HG 87				6.049	(21-)	87
190HG 88				6.126	(22-)	88
190HG 89				6.144	(23-)	89
190HG 90				6.220	(22+)	90

190HG 91				6.261	(20+)	91
190HG 92				6.336	(24+)	92
190HG 93				6.485	(22-)	93
190HG 94				6.521	(24+)	94
190HG 95				6.565	(21+)	95
190HG 96				6.577	(24+)	96
190HG 97				6.684	(24-)	97
190HG 98				6.832	(23-)	98
190HG 99				6.894	(22+)	99
190HG 100				6.930	(24-)	100

190HG 101				6.936	(22+)	101
190HG 102				6.971	(24-)	102
190HG 103				7.037	(25-)	103
190HG 104				7.201	(25-)	104
190HG 105				7.256	(23+)	105
190HG 106				7.282	(26+)	106
190HG 107				7.298	(26+)	107
190HG 108				7.307	(23+)	108
190HG 109				7.497	(26-)	109
190HG 110				7.532	(26-)	110

190HG 111				7.621	(24+)	111
190HG 112				7.640	(24+)	112
190HG 113				7.656	(26-)	113
190HG 114				7.809	(26-)	114
190HG 115				7.811	(27-)	115
190HG 116				7.827	(25)	116
190HG 117				7.893	(25+)	117
190HG 118				7.957	(27-)	118
190HG 119				7.996	(27-)	119
190HG 120				8.052	(25+)	120

190HG 121				8.091	(28+)	121
190HG 122				8.124	(28-)	122

S-2p	=	8.128 (0.017)	-----			
190HG 123				8.227	(28+)	123
190HG 124				8.411	(28-)	124
190HG 125				8.439	(29-)	125

190HG 126			8.481	(26+)	126		
190HG 127			8.735	(30-)	127		
190HG 128			8.876	(27+)	128		
190HG 129			9.146	(31-)	129		
190HG 130			9.583	(32-)	130		

S-n	=	9.816 (0.035)	-----				
190HG 131			10.031	(33-)	131		
190HG 132			X		132		
190HG 133			202.2+X		133		
190HG 134			366.2+X		134		
190HG 135			653.0+X		135		
190HG 136			945.4+X		136		
190HG 137			1248.3+X		137		
190HG 138			1556.1+X		138		
190HG 139			1863.6+X		139		
190HG 140			2184.7+X		140		

190HG 141			2506.7+X		141		
190HG 142			2820.8+X		142		
190HG 143			3156.6+X		143		
190HG 144			3510.6+X		144		
190HG 145			3891.9+X		145		
190HG 146			4302.6+X		146		
190HG 147			4740.6+X		147		
190HG 148			Y		148		
190HG 149			316.9+Y		149		
190HG 150			676.8+Y		150		

190HG 151			1079.1+Y		151		
190HG 152			1522.1+Y		152		
190HG 153			2004.8+Y		153		
190HG 154			2526.1+Y		154		
190HG 155			2955.7+Y		155		
190HG 156			3084.7+Y		156		
190HG 157			3437.0+Y		157	76 FS	14
190HG 158			3679.6+Y		158		
190HG 159			3948.4+Y		159	69 FS	14
190HG 160			4309.7+Y		160		

190HG 161			4491.6+Y		161	90 FS	21
190HG 162			4973.8+Y		162		
190HG 163			5067.2+Y		163	76 FS	14
190HG 164			5670.7+Y		164		
190HG 165			5675.3+Y		165		
190HG 166			6316.9+Y		166		
190HG 167			6399.2+Y		167		
190HG 168			6991.4+Y		168		
190HG 169			7156.6+Y		169		
190HG 170			7698.5+Y		170		

190HG 171		7940.1+Y	171
190HG 172		8741.9+Y	172
190HG 173		Z	173
190HG 174		279.0+Z	174
190HG 175		597.0+Z	175
190HG 176		955.3+Z	176
190HG 177		1352.7+Z	177
190HG 178		1788.6+Z	178
190HG 179		2262.6+Z	179
190HG 180		2773.2+Z	180

190HG 181		3320.9+Z	181
190HG 182		3903.8+Z	182
190HG 183		4521.7+Z	183
190HG 184		5173.2+Z	184
190HG 185		U	185
190HG 186		446.3+U	186
190HG 187		912.8+U	187
190HG 188		1399.5+U	188
190HG 189		1914.5+U	189
190HG 190		2462.2+U	190

190HG 191		3044.9+U	191
190HG 192		3662.6+U	192
190HG 193		4316.2+U	193
190HG 194		5005.8+U	194
190HG 195		5729.1+U	195
190HG 196		6489.5+U	196
190HG 197		7280.5+U	197

S-p = 5.078 (0.026)-----
S-n = 9.816 (0.035)-----
S-2p = 8.128 (0.017)-----
S-2n = 17.312 (0.020)-----
S-alpha= -4.069 (0.027)-----

S+p = -2.201 (0.018)
S+n = -7.292 (0.027)
S+2p = -5.763 (0.021)
S+2n = -16.783 (0.022)
S+alpha = 4.738 (0.024)

gap p = 2.876 (0.031)
gap n = 2.523 (0.045)
gap 2p = 2.365 (0.027)
gap 2n = 0.528 (0.030)
gap alpha = 0.669 (0.036)