

^{188}Hg $Z = 80$ $N = 108$ [link to full NNDC output](#)

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

BE = 1485.022 (0.012) MeV

Qbeta+ = 2.169 (0.013) MeV

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

S-alpha=	-4.708	(0.020)	-----					
188HG 1	0.000	0+						1 3.25 M 15
188HG 2	0.413	2+						2 13.1 PS 20
188HG 3	0.825	0+						3 204 PS 45
188HG 4	0.881	2+						4 141 PS 31
188HG 5	1.005	4+						5 1.60 PS 13
188HG 6	1.208	4+						6
188HG 7					1.240	(4)+		7
188HG 8	1.455	3+						8
188HG 9	1.509	6+						9
188HG 10					1.719	(1,2,3)-		10

188HG 11					1.775	(3,4,5)+		11
188HG 12	1.777	6+						12
188HG 13	1.890	4+						13
188HG 14					1.908	4+,5+		14
188HG 15			1.910	5-				15
188HG 16	1.970	8+						16
188HG 17					2.077	(3,4)-		17
188HG 18					2.136	(5,6)+		18
188HG 19			2.201	7-				19
188HG 20					2.250	(6+)		20

188HG 21					2.274			21
188HG 22					2.295	(6)-		22
188HG 23					2.351	(4,5,6)+		23
188HG 24	2.422	8+						24
188HG 25					2.449	(8-)		25
188HG 26			2.471	9-				26
188HG 27	2.491	10+						27
188HG 28					2.567			28
188HG 29	2.662	10+						29
188HG 30					2.681	(6+,7,8+)		30

188HG 31	2.724	12+						31 154 NS 20
188HG 32					2.784	(10-)		32
188HG 33	2.947	10+						33
188HG 34					2.968	(11-)		34
188HG 35			3.011	11-				35
188HG 36	3.069	12+						36

188HG	37					3.114	(12+)	37
188HG	38	3.161	14+					38
188HG	39					3.219	(11-)	39
188HG	40					3.250	(12-)	40

188HG	41					3.447	(13-)	41
188HG	42			3.682	13-			42
188HG	43					3.688	(13-)	43
188HG	44	3.690	14+					44
188HG	45					3.804	(14+)	45
188HG	46	3.821	16+					46
188HG	47					3.932	(14-)	47
188HG	48					4.127	(15-)	48
188HG	49					4.160	(15-)	49
188HG	50					4.256	(16+)	50

188HG	51			4.257	15-			51
188HG	52	4.330	16+					52
S-p	=	4.463	(0.025)	-----				
188HG	53					4.503	(16)	53
188HG	54			4.554	17-			54
188HG	55	4.582	18+					55
188HG	56					4.628	(17-)	56
188HG	57					4.841	(17-)	57
188HG	58					4.851	(18)	58
188HG	59			4.950	19-			59
188HG	60	4.989	18+					60

188HG	61					5.150	(19-)	61
188HG	62	5.306	20+					62
188HG	63					5.397	(20)	63
188HG	64	5.469	20+					64
188HG	65			5.583	21-			65
188HG	66					5.602	(19-)	66
188HG	67			5.605	21-			67
188HG	68	5.684	20+					68
188HG	69					5.707	(20+)	69
188HG	70					5.742	(21-)	70

188HG	71	5.917	22+					71
188HG	72					6.162	(23-)	72
188HG	73					6.243	(22+)	73
188HG	74					6.386	(23-)	74
188HG	75					6.403	(22+)	75
188HG	76					6.406	(23-)	76
188HG	77	6.408	22+					77
188HG	78					6.718	(24+)	78
188HG	79					6.832	(24+)	79
S-2p	=	6.915	(0.025)	-----				
188HG	80					6.953	(25-)	80

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188HG	81			7.139	(25-) 81
188HG	82			7.315	(26+) 82
188HG	83			7.853	(27-) 83
188HG	84			7.941	(27-) 84

S-p = 4.463 (0.025)-----
 S-n = 10.155 (0.018)-----
 S-2p = 6.915 (0.025)-----
 S-2n = 17.805 (0.017)-----
 S-alpha= -4.708 (0.020)-----

S+p = -1.703 (0.015)
 S+n = -7.496 (0.034)
 S+2p = -4.793 (0.018)
 S+2n = -17.312 (0.020)
 S+alpha = 5.221 (0.018)

gap p = 2.760 (0.029)
 gap n = 2.659 (0.039)
 gap 2p = 2.123 (0.030)
 gap 2n = 0.494 (0.026)
 gap alpha = 0.513 (0.027)