

^{201}Hg $Z = 80$ $N = 121$ adopted link ENSDF link

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

BE = 1587.410 (0.001) MeV

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

S-alpha=	-0.332	(0.001)	-----		
201HG 1			0.000	3/2-	1 STABLE
201HG 2			0.002	1/2-	2 81 NS 5
201HG 3			0.026	5/2-	3 630 PS 50
201HG 4			0.032	3/2-	4 60 PS 22
201HG 5			0.167	1/2-	5 21 PS 9
201HG 6				0.385 (5/2)-	6
201HG 7			0.415	7/2-	7 21.0 PS 8
201HG 8			0.464	5/2-	8
201HG 9				0.543 (1/2-,3/2,5/2)	9
201HG 10			0.547	9/2-	10 20 NS LT

201HG 11				0.553 1/2-,3/2-,5/2-	11
201HG 12				0.645 (5/2)-	12
201HG 13				0.732 1/2-,3/2-	13
201HG 14	0.766	13/2+			14 94 US 2
201HG 15				0.953	15
201HG 16				1.035 1/2-,3/2-	16
201HG 17				1.075	17
201HG 18				1.188	18
201HG 19				1.287 (7/2)-	19
201HG 20				1.336	20

201HG 21				1.360	21
201HG 22				1.505	22
201HG 23				1.583	23
201HG 24				1.591	24
201HG 25				1.693 (7/2)-	25
201HG 26				1.710 (5/2-,7/2-)	26
201HG 27				1.737 1/2-,3/2-	27
201HG 28				1.946 5/2-,7/2,9/2+	28
201HG 29				1.971 (1/2-,3/2-)	29
201HG 30				2.037 -	30

201HG 31				2.081 5/2-,7/2,9/2+	31
201HG 32				2.096 -	32
201HG 33				2.103 (9/2)+	33
201HG 34				2.478	34
201HG 35				2.526	35
201HG 36				2.628 (9/2)+	36
201HG 37				2.663	37

201HG 38				2.681		38
201HG 39				2.795	(5/2,7/2,9/2)+	39
201HG 40				2.863		40

201HG 41				2.890		41
201HG 42				2.911		42
201HG 43				2.938		43
201HG 44				2.976	(5/2,7/2,9/2)+	44
201HG 45				2.995	(5/2,7/2,9/2)+	45
201HG 46				3.115	(5/2,7/2,9/2)+	46
201HG 47				3.172		47
201HG 48				3.196		48
201HG 49				3.233		49
201HG 50				3.252		50

201HG 51				3.270		51
201HG 52				3.294	(5/2,7/2,9/2)+	52
201HG 53				3.539	(5/2,7/2,9/2)+	53
201HG 54				3.579		54
201HG 55				3.712		55
201HG 56				3.735		56
201HG 57				3.768		57
201HG 58				3.814	(5/2,7/2,9/2)+	58
201HG 59				3.837	+	59
201HG 60				3.870		60

201HG 61				3.884		61
201HG 62				3.900		62
201HG 63				3.921		63
201HG 64				3.965		64
201HG 65				4.007	+	65
201HG 66				4.070		66
201HG 67				4.095		67
201HG 68				4.123		68
201HG 69				4.233		69
201HG 70				4.284	(5/2,7/2,9/2)+	70

201HG 71				4.313	(5/2,7/2,9/2)+	71
201HG 72				4.362	+	72
201HG 73				4.381		73
201HG 74				4.405		74
201HG 75				4.418		75
201HG 76				4.467		76
201HG 77				4.484		77
201HG 78				4.579		78
201HG 79				4.591	(5/2,7/2,9/2)+	79
201HG 80				4.649	(5/2,7/2,9/2)+	80

S-p = 7.711 (0.027)-----
S-n = 6.231 (0.001)-----
S-2p = 14.852 (0.002)-----
S-2n = 14.259 (0.001)-----
S-alpha= -0.332 (0.001)-----

S+p = -5.607 (0.002)
S+n = -7.754 (0.001)
S+2p = -11.702 (0.007)
S+2n = -13.749 (0.002)
S+alpha = 1.467 (0.001)

gap p = 2.104 (0.027)
gap n = -1.524 (0.001)
gap 2p = 3.150 (0.007)
gap 2n = 0.510 (0.002)
gap alpha = 1.135 (0.002)