

^{195}Hg $Z = 80$ $N = 115$ adopted link ENSDF link

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

BE = 1542.333 (0.023) MeV

Qbeta+ = 1.554 (0.023) MeV

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

S-alpha=	-2.260 (0.024)				
195HG 1			0.000	1/2-	1 10.53 H 3
195HG 2			0.037	3/2-	2 50 PS LT
195HG 3			0.053	5/2-	3 0.72 NS 3
195HG 4	0.176	13/2+			4 41.6 H 8
195HG 5			0.279	3/2-	5
195HG 6				0.301 3/2-,5/2-	6
195HG 7				0.373 (9/2+)	7
195HG 8				0.410 3/2-,5/2-,7/2-	8
195HG 9				0.423 (1/2- TO 7/2-)	9
195HG 10	0.547	17/2+			10

195HG 11				0.595 (3/2)-	11
195HG 12			0.601	3/2-	12
195HG 13			0.765	1/2-	13
195HG 14				0.815 1/2-,3/2-	14
195HG 15				0.845 (5/2+)	15
195HG 16				0.848 (15/2+)	16
195HG 17				0.875 (7/2+)	17
195HG 18			0.893	3/2-	18
195HG 19				0.922 1/2-,3/2-	19
195HG 20				1.005 1/2-,3/2-	20

195HG 21				1.067 (3/2-,5/2-)	21
195HG 22				1.140 1/2-,3/2,5/2-	22
195HG 23	1.158	21/2+			23
195HG 24				1.260 1/2-,3/2,5/2-	24
195HG 25				1.301 (3/2+)	25
195HG 26			1.401	1/2-	26
195HG 27				1.461 (19/2)+	27
195HG 28				1.487 (19/2+)	28
195HG 29				1.549 1/2-,3/2-	29
195HG 30				1.664 1/2,3/2,5/2-	30

195HG 31				1.715 1/2,3/2,5/2-	31
195HG 32				1.743 1/2,3/2	32
195HG 33			1.744	21/2-	33
195HG 34				1.831 1/2,3/2	34
195HG 35			1.866	23/2-	35
195HG 36	1.869	25/2+			36

195HG	37				1.870	25/2-				37	1.48	NS	6
195HG	38						1.879	1/2,3/2		38			
195HG	39						1.893	1/2,3/2		39			
195HG	40						1.975	1/2,3/2		40			

195HG	41						2.015	1/2,3/2		41			
195HG	42						2.057	1/2,3/2		42			
195HG	43				2.081	27/2-				43			
195HG	44				2.172	29/2-				44			
195HG	45						2.230	1/2,3/2		45			
195HG	46						2.256	1/2,3/2		46			
195HG	47						2.285	1/2,3/2		47			
195HG	48						2.305	1/2,3/2		48			
195HG	49						2.312	1/2,3/2		49			
195HG	50						2.338	1/2,3/2		50			

195HG	51						2.339	1/2,3/2		51			
195HG	52						2.363	1/2,3/2		52			
195HG	53						2.403	1/2,3/2		53			
195HG	54		2.413	29/2+						54			
195HG	55						2.420	1/2,3/2		55			
195HG	56						2.429	1/2,3/2		56			
195HG	57						2.457	1/2,3/2		57			
195HG	58						2.508	1/2,3/2		58			
195HG	59						2.513	1/2+,3/2+		59			
195HG	60				2.628	31/2-				60			

195HG	61		2.691	33/2+						61	0.25	NS	LE
195HG	62						2.759	(29/2+)		62			
195HG	63				2.774	33/2-				63			
195HG	64		3.159	37/2+						64			
195HG	65		3.215	33/2+						65			
195HG	66		3.265	33/2+						66			
195HG	67				3.367	35/2-				67			
195HG	68						3.403	35/2		68			
195HG	69						3.505			69			
195HG	70				3.556	37/2-				70			

195HG	71		3.563	37/2+						71			
195HG	72		3.700	37/2+						72			
195HG	73						3.867	39/2		73			
195HG	74		3.869	41/2+						74			
195HG	75		4.080	41/2+						75			
195HG	76				4.183	41/2-				76			
195HG	77				4.197	39/2-				77			
195HG	78		4.397	41/2+						78			
195HG	79						4.520	43/2		79			
195HG	80						4.581			80			

195HG	81				4.710	45/2-				81			

195HG 82		4.742	45/2+						82
195HG 83					4.802	43/2-			83
195HG 84							4.809		84
195HG 85		4.902	45/2+						85
195HG 86		4.982	43/2+						86
195HG 87							5.136		87
195HG 88		5.176	43/2+						88
195HG 89							5.242		89
195HG 90							5.253		90

195HG 91		5.309	45/2+						91
195HG 92					5.379	47/2-			92
195HG 93					5.400	49/2-			93
195HG 94		5.411	47/2+						94
195HG 95					5.446	53/2-			95
195HG 96							5.490		96
195HG 97							5.499		97
195HG 98							5.558		98
195HG 99							5.591		99
195HG 100							5.598		100

195HG 101		5.687	49/2+						101
195HG 102		5.749	49/2+						102
195HG 103							5.800		103
195HG 104							5.869		104
195HG 105		5.892	51/2+						105
195HG 106							5.963		106

S-p	=	6.090 (0.023)-----							
195HG 107							6.175		107
195HG 108		6.299	53/2+						108
195HG 109					6.326	53/2-			109
195HG 110							6.495	55/2	110

195HG 111		6.650	55/2+						111
195HG 112							6.792	57/2	112

S-n	=	6.901 (0.023)-----							
195HG 113		7.127	57/2+						113
195HG 114							7.189		114
195HG 115							7.405	57/2(-)	115
195HG 116							7.412	57/2(-)	116
195HG 117		7.537	59/2+						117
195HG 118							7.744	59/2(-)	118
195HG 119		8.009	61/2+						119
195HG 120							8.067	61/2(-)	120

195HG 121		8.382	63/2+						121
195HG 122							8.456	63/2(-)	122
195HG 123							8.892	65/2(-)	123
195HG 124							9.331	67/2(-)	124
195HG 125							9.785	69/2(-)	125

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S-p    =  6.090 ( 0.023)-----
S-n    =  6.901 ( 0.023)-----
S-2p   = 11.112 ( 0.023)-----
S-2n   = 16.094 ( 0.028)-----
S-alpha= -2.260 ( 0.024)-----

S+p    = -3.772 ( 0.026)
S+n    = -8.884 ( 0.023)
S+2p   = -8.310 ( 0.024)
S+2n   = -15.669 ( 0.023)
S+alpha =  3.357 ( 0.024)

gap p   =  2.318 ( 0.035)
gap n   = -1.983 ( 0.033)
gap 2p  =  2.802 ( 0.033)
gap 2n  =  0.424 ( 0.036)
gap alpha =  1.097 ( 0.034)
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