

^{193}Hg $Z = 80$ $N = 113$ adopted link ENSDF link

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

BE = 1526.239 (0.015) MeV

Qbeta+ = 2.343 (0.018) MeV

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

S-alpha=	-2.982 (0.018)				
193HG 1				0.000 3/2(-)	1 3.80 H 15
193HG 2				0.040 5/2(-)	2 0.63 NS 3
193HG 3				0.050 (1/2-)	3
193HG 4				0.141 13/2(+)	4 11.8 H 2
193HG 5				0.208 (7/2-)	5
193HG 6				0.324 (3/2-,5/2-)	6
193HG 7				0.344 (1/2-,3/2-)	7
193HG 8				0.375 (3/2-,5/2-,7/2-)	8)
193HG 9				0.523 (17/2+)	9
193HG 10				0.747 (15/2+)	10

193HG 11				0.753 (1/2-,3/2-,5/2-)	11)
193HG 12				1.026 (13/2+,15/2+)	12
193HG 13				1.145 (21/2+)	13
193HG 14				1.380 (19/2+)	14
193HG 15				1.523 (17/2+,19/2+)	15
193HG 16				1.523 (1/2-,3/2-,5/2-)	16)
193HG 17				1.580 (1/2-,3/2,5/2-)	17
193HG 18				1.736 (19/2+)	18
193HG 19				1.756 (21/2-)	19
193HG 20				1.884 (25/2+)	20

193HG 21				1.886 (25/2-)	21 1.58 NS 6
193HG 22				1.891 (23/2-)	22
193HG 23				2.096 (27/2-)	23
193HG 24				2.189 (29/2-)	24
193HG 25				2.289 (27/2-)	25
193HG 26				2.352 (25/2+)	26
193HG 27				2.502 (29/2+)	27
193HG 28				2.584 (31/2-)	28
193HG 29				2.617 (29/2-)	29
193HG 30				2.642 (29/2+)	30

193HG 31				2.696 (33/2+)	31 0.57 NS 3
193HG 32				2.762 (33/2-)	32
193HG 33				3.176 (37/2+)	33
193HG 34				3.196 (33/2+)	34
193HG 35				3.203 (33/2-)	35
193HG 36				3.220 (33/2-)	36

193HG	37				3.224	(35/2-)	37
193HG	38				3.260	(33/2+)	38
193HG	39				3.497	(37/2-)	39
193HG	40				3.570	(37/2+)	40

193HG	41				3.727	(37/2-)	41
193HG	42				3.754	(37/2+)	42
193HG	43				3.811		43
193HG	44				3.851	(37/2-)	44
193HG	45				3.881	(41/2+)	45
193HG	46				3.884	(39/2-)	46
193HG	47				4.120	(39/2+)	47
193HG	48				4.121	(41/2+)	48
193HG	49				4.151	(41/2-)	49
193HG	50				4.198	(39/2-)	50

193HG	51				4.397	(43/2-)	51
193HG	52				4.413	(41/2-)	52
193HG	53				4.417		53
193HG	54				4.462		54
193HG	55				4.539	(41/2+)	55
193HG	56				4.674	(45/2-)	56
193HG	57				4.684	(43/2+)	57
193HG	58				4.688	(45/2+)	58
193HG	59				4.721	(39/2-)	59
193HG	60				4.792	(41/2-)	60

193HG	61				4.865	(43/2-)	61
193HG	62				4.890	(45/2+)	62
193HG	63				4.958	(45/2-)	63
193HG	64				4.964	(43/2)	64
193HG	65				5.033		65
193HG	66				5.048	(47/2-)	66
193HG	67				5.117	(45/2-)	67
193HG	68				5.320	(43/2)	68
193HG	69				5.339	(47/2-)	69
193HG	70				5.362	(47/2+)	70

193HG	71				5.392	(43/2+)	71
193HG	72				5.400		72
193HG	73				5.411	(49/2-)	73
193HG	74				5.443	(45/2+)	74
193HG	75				5.548	(47/2+)	75
193HG	76				5.560	(49/2+)	76
193HG	77				5.561	(47/2-)	77

S-p	=	5.579	(0.022)			
193HG	78				5.678	(49/2-)	78
193HG	79				5.698	(49/2+)	79
193HG	80				5.703	(49/2-)	80

193HG 81				5.715		81
193HG 82				5.747	(49/2-)	82
193HG 83				5.801	(49/2-)	83
193HG 84				5.832	(49/2+)	84
193HG 85				5.899	(51/2-)	85
193HG 86				6.017	(51/2-)	86
193HG 87				6.068	(51/2+)	87
193HG 88				6.104	(51/2-)	88
193HG 89				6.145	(51/2-)	89
193HG 90				6.164	(51/2+)	90

193HG 91				6.305	(53/2-)	91
193HG 92				6.395	(53/2-)	92
193HG 93				6.401	(53/2-)	93
193HG 94				6.419	(53/2-)	94
193HG 95				6.429	(53/2+)	95
193HG 96				6.465	(53/2+)	96
193HG 97				6.497	(53/2+)	97
193HG 98				6.726	(55/2-)	98
193HG 99				6.832	(55/2+)	99
193HG 100				6.840	(55/2+)	100

193HG 101				6.913	(55/2-)	101
193HG 102				6.922		102
193HG 103				6.922	(55/2-)	103
193HG 104				6.979	(57/2-)	104
193HG 105				7.037	(57/2+)	105
193HG 106				7.038		106

S-n	=	7.122	(0.022)	-----		
193HG 107				7.133	(57/2+)	107
193HG 108				7.187	(57/2-)	108
193HG 109				7.198	(59/2+)	109
193HG 110				7.246	(59/2-)	110

193HG 111				7.277	(57/2-)	111
193HG 112				7.282	(57/2+)	112
193HG 113				7.440		113
193HG 114				7.476	(57/2-)	114
193HG 115				7.492		115
193HG 116				7.555	(61/2+)	116
193HG 117				7.560	(61/2-)	117
193HG 118				7.681		118
193HG 119				7.700	(59/2-)	119
193HG 120				7.838	(61/2-)	120

193HG 121				7.920	(63/2-)	121
193HG 122				7.925	(63/2+)	122
193HG 123				8.137	(63/2-)	123
193HG 124				8.331	(65/2-)	124
193HG 125				8.389	(65/2+)	125

193HG 126			8.395	(65/2-)	126
193HG 127			8.751	(67/2-)	127
193HG 128			8.758	(67/2-)	128
193HG 129			8.887	(67/2+)	129
193HG 130			8.978		130

193HG 131			9.222	(69/2-)	131
193HG 132			9.409	(69/2+)	132
193HG 133			9.676	(71/2-)	133
193HG 134			9.923	(71/2+)	134

S-p = 5.579 (0.022)-----
 S-n = 7.122 (0.022)-----
 S-2p = 9.942 (0.016)-----
 S-2n = 16.613 (0.027)-----
 S-alpha= -2.982 (0.018)-----

S+p = -3.164 (0.021)
 S+n = -9.193 (0.016)
 S+2p = -7.254 (0.016)
 S+2n = -16.094 (0.028)
 S+alpha = 3.892 (0.016)

gap p = 2.415 (0.030)
 gap n = -2.071 (0.027)
 gap 2p = 2.688 (0.023)
 gap 2n = 0.519 (0.039)
 gap alpha = 0.910 (0.025)