

^{194}Hg $Z = 80$ $N = 114$ [link to full NNDC output](#)

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

BE = 1535.432 (0.003) MeV

Qbeta+ = 0.028 (0.004) MeV

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

S-alpha=	-2.698	(0.003)	-----					
194HG 1	0.000	0+					1	444 Y 77
194HG 2	0.428	2+					2	
194HG 3	1.064	4+					3	
194HG 4					1.073	(2)+	4	
194HG 5					1.468	(3)+	5	
194HG 6	1.500	0+					6	
194HG 7	1.799	6+					7	
194HG 8			1.813	5-			8	0.15 NS LE
194HG 9			1.910	7-			9	3.75 NS 11
194HG 10					1.958	(0+:4+)	10	

194HG 11					1.980	(0+:4+)	11	
194HG 12					2.052	(0+:4+)	12	
194HG 13			2.138	8-			13	0.91 NS 3
194HG 14			2.143	9-			14	0.29 NS 5
194HG 15			2.165	6-			15	
194HG 16					2.179	5-,6-	16	
194HG 17					2.260	(4-,5-,6-)	17	
194HG 18					2.264	5-,6-	18	
194HG 19					2.364	(8+)	19	
194HG 20					2.374	6-,7-,8-	20	

194HG 21					2.423	(10+)	21	2.9 NS 5
194HG 22			2.463	6-			22	
194HG 23					2.475	(12+)	23	8.1 NS 5
194HG 24					2.562	(10-)	24	
194HG 25					2.687	(11-)	25	
194HG 26					2.888	(14+)	26	
194HG 27					3.063		27	
194HG 28					3.173	(12-)	28	
194HG 29					3.394	(13-)	29	
194HG 30					3.531	(16+)	30	

194HG 31					3.747	(14-)	31	
194HG 32					3.820	(15-)	32	
194HG 33					3.879	(15-)	33	
194HG 34					3.984	(16-)	34	0.50 NS LT
194HG 35					4.004	(15-)	35	
194HG 36					4.015	(14+)	36	

194HG	37				4.114	(17-)	37		
194HG	38				4.275	(18+)	38		
194HG	39				4.290	(18-)	39		
194HG	40				4.317	(16+)	40		

194HG	41				4.491	(17-)	41		
194HG	42				4.497	(19-)	42		
194HG	43				4.521	(17-)	43		
194HG	44				4.797	(18+)	44		
194HG	45				4.896	(20-)	45		
194HG	46				4.985	(20+)	46		
194HG	47				5.103	(19-)	47		
194HG	48				5.163	(21-)	48		
194HG	49				5.266	(20+)	49		
194HG	50				5.391		50		

194HG	51				5.493		51		
194HG	52				5.523	(20+)	52		
194HG	53				5.578	(22+)	53		
194HG	54				5.610	(21-)	54		
194HG	55				5.700	(22-)	55		
194HG	56				6.013		56		
194HG	57				6.032	(22+)	57		
194HG	58				6.049	(23-)	58		
S-p	=	6.068	(0.009)	-----				
194HG	59				6.120	(23-)	59		
194HG	60				6.256		60		

194HG	61				6.349	(22+)	61		
194HG	62				6.410	(24+)	62		
194HG	63				6.417	(8+)	63		
194HG	64				6.455		64		
194HG	65				6.629	(10+)	65		
194HG	66				6.645	(24-)	66		
194HG	67				6.675	(22+)	67		
194HG	68				6.777		68		
194HG	69				6.790	(20+)	69		
194HG	70				6.815	(25-)	70		

194HG	71				6.833	(24+)	71		
194HG	72				6.883	(12+)	72	2.4 PS 4	
194HG	73				6.941	(25-)	73		
194HG	74				6.989	(26+)	74		
194HG	75				7.179	(14+)	75	2.1 PS 4	
194HG	76				7.231	(9-)	76		
194HG	77				7.262		77		
194HG	78				7.303	(28+)	78		
194HG	79				7.453	(11-)	79		
194HG	80				7.516	(16+)	80	1.36 PS 17	

194HG 81				7.555	(27-)	81	
194HG 82				7.582	(26)	82	
194HG 83				7.588	(27-)	83	
194HG 84				7.715	(13-)	84	2.1 PS 7
194HG 85				7.768	(27)	85	
194HG 86				7.784	(30+)	86	
194HG 87				7.893	(18+)	87	
194HG 88				7.941	(27)	88	
194HG 89				8.018	(15-)	89	2.1 PS 6
194HG 90				8.287	(28)	90	

194HG 91				8.310	(20+)	91	
194HG 92				8.360	(17-)	92	1.4 PS 5
194HG 93				8.561	(29)	93	
194HG 94				8.664	(29)	94	
194HG 95				8.742	(19-)	95	
194HG 96				8.765	(22+)	96	0.27 PS 6
194HG 97				9.068	(30)	97	
194HG 98				9.162	(21-)	98	
S-n	=	9.193	(0.016)	-----			
194HG 99				9.257	(24+)	99	0.166 PS 22
194HG 100				9.500	(31)	100	

194HG 101				9.564	(31)	101	
194HG 102				9.591	(31)	102	
194HG 103				9.620	(23-)	103	
194HG 104				9.784	(26+)	104	0.120 PS 25
194HG 105				9.881	(32)	105	
194HG 106				9.932	(32)	106	
194HG 107				10.115	(25-)	107	
194HG 108				10.225	(33)	108	
194HG 109				10.347	(28+)	109	0.114 PS 39
S-2p	=	10.474	(0.004)	-----			
194HG 110				10.603	(34)	110	

194HG 111				10.646	(27-)	111	
194HG 112				10.944	(30+)	112	0.078 PS 17
194HG 113				11.012	(35)	113	
194HG 114				11.212	(29-)	114	
194HG 115				11.574	(32+)	115	0.060 PS 21
194HG 116				11.813	(31-)	116	
194HG 117				12.236	(34+)	117	0.042 PS 13
194HG 118				12.448	(33-)	118	
194HG 119				12.929	(36+)	119	0.026 PS 11
194HG 120				13.115	(35-)	120	

194HG 121				13.653	(38+)	121	
194HG 122				13.815	(37-)	122	
194HG 123				14.407	(40+)	123	
194HG 124				14.547	(39-)	124	

194HG 125				15.191	(42+)	125		
194HG 126				15.310	(41-)	126		
194HG 127				16.004	(44+)	127		
194HG 128				16.103	(43-)	128		
S-2n = 16.315 (0.016)-----								
194HG 129				16.847	(46+)	129		
194HG 130				16.927	(45-)	130		

194HG 131				17.719	(48+)	131		
194HG 132				17.781	(47-)	132		
194HG 133				18.622	(50+)	133		
194HG 134				18.664	(49-)	134		
194HG 135				X		135		
194HG 136				200.79+X		136		
194HG 137				443.04+X		137	3.0 PS	8
194HG 138				726.20+X		138	2.7 PS	6
194HG 139				1049.65+X		139	1.3 PS	5
194HG 140				1412.78+X		140		

194HG 141				1814.83+X		141		
194HG 142				2255.14+X		142	0.27 PS	9
194HG 143				2732.83+X		143	0.20 PS	5
194HG 144				3247.06+X		144	0.13 PS	5
194HG 145				3797.00+X		145	0.100 PS	33
194HG 146				4381.82+X		146	0.089 PS	19
194HG 147				5000.78+X		147	0.065 PS	28
194HG 148				5652.82+X		148		
194HG 149				6337.40+X		149		
194HG 150				7053.60+X		150		

194HG 151				7800.5+X		151		
194HG 152				8578.3+X		152		
194HG 153				9386.0+X		153		
194HG 154				10223.5+X		154		
194HG 155				11090.6+X		155		

S-p	=	6.068	(0.009)	-----				
S-n	=	9.193	(0.016)	-----				
S-2p	=	10.474	(0.004)	-----				
S-2n	=	16.315	(0.016)	-----				
S-alpha	=	-2.698	(0.003)	-----				
S+p	=	-3.260	(0.011)					
S+n	=	-6.901	(0.023)					
S+2p	=	-7.742	(0.008)					
S+2n	=	-15.785	(0.004)					
S+alpha	=	3.692	(0.009)					
gap p	=	2.808	(0.015)					

gap n = 2.293 (0.028)
gap 2p = 2.732 (0.009)
gap 2n = 0.531 (0.016)
gap alpha = 0.994 (0.010)