

^{194}Hg $Z = 80$ $N = 114$ adopted link ENSDF link

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

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+						1 447 Y 52
194HG 2	0.428	2+						2 18.5 PS 14
194HG 3	1.064	4+						3 4.9 PS 28
194HG 4						1.073	(2)+	4
194HG 5						1.469	(3)+	5
194HG 6	1.500	0+						6
194HG 7	1.799	6+						7
194HG 8			1.813	5-				8 51 PS 6
194HG 9			1.910	7-				9 3.48 NS 6
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-				14 302 PS 9
194HG 15			2.165	6-				15
194HG 16						2.180	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-	20

194HG 21						2.423	(10+)	21 3.1 NS 5
194HG 22			2.464	6-				22
194HG 23						2.475	(12+)	23 8.1 NS 5
194HG 24						2.562	(10-)	24
194HG 25						2.688	(11-)	25
194HG 26						2.888	(14+)	26
194HG 27						3.064		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		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		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		88		
194HG 89				8.018	(15-)	89	2.1 PS	6
194HG 90				8.287		90		

194HG 91				8.310	(20+)	91		
194HG 92				8.361	(17-)	92	1.4 PS	5
194HG 93				8.561	(29-)	93		
194HG 94				8.664		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		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		

S-p	=	6.068	(0.009)	-----				
S-n	=	9.193	(0.016)	-----				
S-2p	=	10.473	(0.004)	-----				
S-2n	=	16.315	(0.016)	-----				
S-alpha	=	-2.698	(0.003)	-----				

S+p	=	-3.260	(0.012)					
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	=	2.292	(0.028)					
gap 2p	=	2.731	(0.009)					
gap 2n	=	0.531	(0.016)					
gap alpha	=	0.994	(0.010)					