

^{205}Hg $Z = 80$ $N = 125$ adopted link ENSDF link

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

BE = 1614.320 (0.004) MeV

Qbeta- = 1.533 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2	
205HG 1			0.000	1/2-	1 5.14 M 9	
205HG 2			0.379	5/2-	2	
205HG 3			0.468	3/2-	3	

S-alpha=	0.972 (0.050)					

205HG 4				1.281	1/2-,3/2,5/2-	4
205HG 5				1.325	1/2-,3/2,5/2-	5
205HG 6			1.346	7/2-		6
205HG 7			1.395	9/2-		7
205HG 8				1.447	1/2-,3/2,5/2	8
205HG 9	1.556	13/2+				9 1.09 MS 4
205HG 10				1.818		10

205HG 11	1.847	9/2+				11
205HG 12				2.011	(11/2+)	12
205HG 13				2.206		13
205HG 14				2.337		14
205HG 15				2.351		15
205HG 16				2.366	(17/2+)	16
205HG 17				2.369		17
205HG 18				2.540		18
205HG 19				2.566	+	19
205HG 20				2.579		20

205HG 21				2.591	+	21
205HG 22				2.594	(19/2+)	22
205HG 23				2.668		23
205HG 24				2.920	+	24
205HG 25				2.956	+	25
205HG 26				3.026		26
205HG 27				3.070		27
205HG 28				3.095		28
205HG 29				3.163		29
205HG 30				3.187		30

205HG 31				3.317	(23/2-)	31 5.89 US 18
205HG 32				3.332	+	32
205HG 33				3.366		33
205HG 34				3.488	+	34
205HG 35				3.593	+	35
205HG 36				3.693		36

205HG	37						3.720		37
205HG	38		3.838		1/2+				38
205HG	39						3.912		39
205HG	40						3.942		40

205HG	41						3.989		41
205HG	42						4.022		42
205HG	43		4.037		1/2+				43
205HG	44						4.101		44
205HG	45						4.140	+	45
205HG	46						4.170	+	46
205HG	47						4.198	+	47
205HG	48						4.238		48
205HG	49						4.313		49
205HG	50						4.375	+	50

205HG	51						4.436	+	51
205HG	52						4.453	+	52
205HG	53						4.475	+	53
205HG	54						4.507		54
205HG	55						4.551		55
205HG	56						4.627	+	56
205HG	57						4.660		57
205HG	58						4.725		58
205HG	59						4.779		59
205HG	60						4.853		60

205HG	61						4.915		61
205HG	62						4.978		62
205HG	63						4.994		63

S-p = 9.248 (0.204)-----
S-n = 5.669 (0.004)-----
S-2p = 17.319 (0.203)-----
S-2n = 13.161 (0.004)-----
S-alpha= 0.972 (0.050)-----

S+p = -7.255 (0.004)
S+n = -6.729 (0.021)
S+2p = -14.742 (0.004)
S+2n = -10.342 (0.030)
S+alpha = 2.248 (0.004)

gap p = 1.994 (0.204)
gap n = -1.061 (0.021)
gap 2p = 2.577 (0.203)
gap 2n = 2.819 (0.030)
gap alpha = 3.220 (0.050)