

^{186}Hg $Z = 80$ $N = 106$ adopted link ENSDF link

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

BE = 1467.217 (0.012) MeV

Qbeta+ = 3.176 (0.024) MeV

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

S-alpha=	-5.204	(0.018)	-----		
186HG 1	0.000	0+			1 1.38 M 10
186HG 2	0.405	2+			2 16.6 PS 21
186HG 3	0.523	0+			3 52 PS LE
186HG 4	0.621	2+			4 48 PS 27
186HG 5	0.808	4+			5 3.7 PS 5
186HG 6	1.080	4+			6
186HG 7	1.097	2+			7
186HG 8	1.165	6+			8 6.31 PS 28
186HG 9				1.228 (4+)	9
186HG 10				1.434 (3+)	10

186HG 11				1.578 (6+)	11
186HG 12	1.589	8+			12 3.12 PS 21
186HG 13				1.615	13
186HG 14				1.659 (2+)	14
186HG 15	1.678	6+			15
186HG 16				1.868 (5+)	16
186HG 17				1.907 (5,6+)	17
186HG 18				1.966 4+,5,6+	18
186HG 19				1.976 (8+)	19
186HG 20	2.056	6+			20

186HG 21	2.078	10+			21 1.32 PS 14
186HG 22				2.130	22
186HG 23				2.138 (3+)	23
186HG 24				2.155 (8+)	24
186HG 25				2.185 7(-)	25
186HG 26				2.212	26
186HG 27				2.217 (8-)	27 82 US 5
186HG 28				2.267 (7+)	28
186HG 29				2.349 (6+,7+)	29
186HG 30				2.394 (9-)	30

186HG 31				2.427 (10+)	31
186HG 32				2.428 (7+)	32
186HG 33				2.465 (9-)	33
186HG 34				2.573 (9)	34
186HG 35				2.592 (10-)	35
186HG 36	2.619	12+			36

186HG	37					2.636	(10+)	37
186HG	38					2.809	(11-)	38
186HG	39	2.834	10+					39
186HG	40					2.848	(11-)	40

186HG	41					2.927	(12+)	41
186HG	42					3.016	(11)	42
186HG	43					3.049	(12-)	43
186HG	44			3.089	11-			44
186HG	45	3.200	14+					45
186HG	46					3.267	(13-)	46
186HG	47					3.305	(13-)	47
186HG	48					3.316		48
186HG	49					3.446	(13-)	49
186HG	50			3.471	13-			50

186HG	51					3.471	(14+)	51
186HG	52					3.502	(13)	52
186HG	53					3.583	(14-)	53
186HG	54					3.735	(15-)	54
186HG	55	3.811	16+					55
186HG	56					3.827	(15-)	56
186HG	57					3.873	(15-)	57
S-p	=	3.970 (0.012)		-----				
186HG	58					3.971		58
186HG	59					4.040	(15)	59
186HG	60					4.053	(16+)	60

186HG	61					4.183	(16-)	61
186HG	62					4.265	(17-)	62
186HG	63					4.268	(17-)	63
186HG	64	4.448	18+					64
186HG	65					4.502	(17-)	65
186HG	66					4.626		66
186HG	67					4.641	(17)	67
186HG	68					4.643	(18+)	68
186HG	69					4.775	(19-)	69
186HG	70					4.838	(18-)	70

186HG	71					4.838	(19-)	71
186HG	72					4.866		72
186HG	73	5.115	20+					73
186HG	74					5.190	(19-)	74
186HG	75					5.267	(20+)	75
186HG	76					5.292	(19)	76
186HG	77					5.319		77
186HG	78					5.342	(21-)	78
186HG	79					5.347	(21-)	79
186HG	80					5.404		80

186HG	81				5.429	(21-)	81
S-2p	=	5.785	(0.019)	-----			
186HG	82				5.815	(22+)	82
186HG	83				5.963	(23-)	83
186HG	84				6.038	(23-)	84
186HG	85				6.554	(24+)	85
186HG	86				6.633	(25-)	86
186HG	87				6.680	(25-)	87
186HG	88				7.328	(26+)	88
186HG	89				7.356	(27-)	89
186HG	90				8.097	(29-)	90
-----							-----
186HG	91				8.132	(28+)	91
186HG	92				8.873	(31-)	92

S-p = 3.970 (0.012)-----
S-n = 10.427 (0.018)-----
S-2p = 5.785 (0.019)-----
S-2n = 18.337 (0.015)-----
S-alpha= -5.204 (0.018)-----

S+p = -1.194 (0.014)
S+n = -7.651 (0.017)
S+2p = -3.850 (0.015)
S+2n = -17.802 (0.013)
S+alpha = 5.698 (0.017)

gap p = 2.776 (0.019)
gap n = 2.776 (0.025)
gap 2p = 1.935 (0.024)
gap 2n = 0.535 (0.020)
gap alpha = 0.493 (0.024)