

^{202}Hg $Z = 80$ $N = 122$ adopted link ENSDF link

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

BE = 1595.164 (0.001) MeV

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

S-alpha=	-0.134	(0.002)	-----		
202HG 1	0.000	0+			1 STABLE
202HG 2	0.440	2+			2 27.26 PS 22
202HG 3	0.960	2+			3 14 PS 3
202HG 4	1.120	4+			4 2.05 PS 6
202HG 5	1.182	2+			5
202HG 6	1.312	4+			6
202HG 7				1.348 (1+,2+)	7
202HG 8	1.390	2+			8
202HG 9	1.411	0+			9
202HG 10				1.457	10

202HG 11				1.524	11
202HG 12	1.562	3+			12
202HG 13	1.565	0+			13
202HG 14	1.575	2+			14
202HG 15	1.624	4+			15
202HG 16	1.644	0+			16
202HG 17				1.679 1+,2+	17
202HG 18				1.725 (4+)	18
202HG 19				1.746 1,2+	19
202HG 20	1.788	2+			20

202HG 21	1.794	2+			21
202HG 22				1.801	22
202HG 23	1.824	2+			23
202HG 24	1.852	2+			24
202HG 25				1.862 (3)+	25
202HG 26	1.901	0+			26
202HG 27				1.959 1,2+	27
202HG 28			1.966 5-		28
202HG 29	1.966	2+			29
202HG 30	1.989	6+			30 0.65 PS 6

202HG 31				1.991	31
202HG 32				2.071 (2)+	32
202HG 33				2.115	33
202HG 34				2.126 (2)+	34
202HG 35				2.134	35
202HG 36				2.142	36
202HG 37				2.162	37

202HG 38				2.222		38
202HG 39				2.250	(2+)	39
202HG 40				2.280	(1+,2)	40

202HG 41				2.283		41
202HG 42				2.292	(4+)	42
202HG 43				2.293	(3,4)	43
202HG 44				2.309	(3,4)	44
202HG 45				2.323		45
202HG 46				2.339		46
202HG 47		2.357	3-			47
202HG 48				2.367		48
202HG 49				2.417		49
202HG 50				2.428		50

202HG 51				2.456		51
202HG 52				2.468		52
202HG 53				2.516	(1,2)	53
202HG 54				2.523		54
202HG 55				2.533	(1-)	55
202HG 56				2.550		56
202HG 57				2.564	(4+)	57
202HG 58				2.568		58
202HG 59				2.610		59
202HG 60				2.705		60

202HG 61		2.709	3-			61 18.9 PS 18
202HG 62				2.728		62
202HG 63				2.751		63
202HG 64				2.830		64
202HG 65				2.845		65
202HG 66				2.858		66
202HG 67				2.908		67
202HG 68				2.918		68
202HG 69				2.950		69
202HG 70				2.970		70

202HG 71				2.997		71
202HG 72				3.017		72
202HG 73				3.027		73
202HG 74				3.058		74
202HG 75		3.059	5-			75
202HG 76				3.080		76
202HG 77				3.118		77
202HG 78		3.166	3-			78
202HG 79				3.179		79
202HG 80				3.200		80

202HG 81				3.223		81
202HG 82				3.254		82

202HG	83				3.264		83
202HG	84				3.295		84
202HG	85				3.311		85
202HG	86				3.350		86
202HG	87				3.416		87
202HG	88				3.481		88
202HG	89				3.606		89
202HG	90		4.922	1-			90 0.30 EV 5

S-p = 8.234 (0.003)-----
 S-n = 7.754 (0.001)-----
 S-2p = 15.324 (0.020)-----
 S-2n = 13.985 (0.001)-----
 S-alpha= -0.134 (0.002)-----

S+p = -5.705 (0.001)
 S+n = -5.995 (0.002)
 S+2p = -12.342 (0.001)
 S+2n = -13.487 (0.001)
 S+alpha = 1.135 (0.001)

gap p = 2.529 (0.004)
 gap n = 1.759 (0.002)
 gap 2p = 2.982 (0.020)
 gap 2n = 0.497 (0.001)
 gap alpha = 1.001 (0.003)