

^{178}Hg $Z = 80$ $N = 98$ adopted link ENSDF link

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

BE = 1390.422 (0.011) MeV

Qbeta+ = 5.988 (0.015) MeV

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

S-alpha=	-6.577	(0.015)	-----		
178HG 1	0.000	0+			1 266.5 MS 24
178HG 2	0.558	2+			2
178HG 3	1.012	4+			3
178HG 4	1.347	6+			4
178HG 5				1.358 (3-)	5
178HG 6			1.447 3-		6
178HG 7	1.743	8+			7
178HG 8				1.851 (4-)	8

S-2p =	1.959	(0.017)	-----		
178HG 9			1.990 5-		9

S-p =	2.059	(0.015)	-----		
178HG 10				2.157 (5-)	10

178HG 11	2.201	10+			11
178HG 12				2.215 (6-)	12
178HG 13			2.389 7-		13
178HG 14	2.712	12+			14
178HG 15			2.730 9-		15
178HG 16			3.118 11-		16
178HG 17	3.265	14+			17
178HG 18			3.539 13-		18
178HG 19	3.854	16+			19
178HG 20				3.980 (15-)	20

178HG 21				4.454 (17-)	21
178HG 22				4.469 (18+)	22
178HG 23				4.972 (19-)	23
178HG 24				5.090 (20+)	24
178HG 25				5.535 (21-)	25

S-p = 2.059 (0.015)

S-n = 11.611 (0.085)

S-2p = 1.959 (0.017)

S-2n = 20.673 (0.015)

S-alpha= -6.577 (0.015)

S+p = 0.757 (0.040)

S+n = -8.689 (0.030)

S+2p = -0.204 (0.016)
S+2n = -20.078 (0.017)
S+alpha = 7.066 (0.016)

gap p = 2.815 (0.043)
gap n = 2.922 (0.091)
gap 2p = 1.756 (0.023)
gap 2n = 0.596 (0.023)
gap alpha = 0.489 (0.022)