

$^{184}\text{Hg}$        $Z = 80$        $N = 104$       adopted link      ENSDF link

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

BE = 1448.880 ( 0.010) MeV

Qbeta+ = 3.974 ( 0.024) MeV

	Energy T	J+	J-	J-other	T1/2
-----					
S-alpha=	-5.660	( 0.014)	-----		
184HG 1	0.000	0+			1 30.87 S 26
184HG 2	0.367	2+			2 21 PS 5
184HG 3	0.375	0+			3 0.62 NS 21
184HG 4	0.534	2+			4
184HG 5	0.654	4+			5 22.7 PS 24
184HG 6				0.984 (1,2+)	6
184HG 7	0.994	6+			7 5.6 PS 21
184HG 8	1.087	4+			8
184HG 9				1.300 (3,4+)	9
184HG 10	1.412	8+			10 2.0 PS +8-11
-----					
184HG 11				1.413 (5)	11
184HG 12	1.549	6+			12
184HG 13				1.654 (5,6+)	13
184HG 14				1.751 (6+)	14
184HG 15				1.803 (7)	15
184HG 16				1.817 (5,6+)	16
184HG 17				1.848 5	17
184HG 18				1.873 (7)	18
184HG 19	1.901	10+			19 0.83 PS +17-26
184HG 20				2.007 (8)	20
-----					
184HG 21	2.057	8+			21
184HG 22				2.063 (6)	22
184HG 23				2.121 7	23
184HG 24				2.171 (9)	24
184HG 25				2.256 (9)	25
184HG 26				2.362 (10)	26
184HG 27				2.375 (8)	27
184HG 28				2.450 9	28
184HG 29	2.453	12+			29 0.47 PS +11-17
184HG 30				2.579 (11)	30
-----					
184HG 31	2.612	10+			31
184HG 32				2.754 (10)	32
184HG 33				2.767 (11)	33
184HG 34				2.811 (12)	34
184HG 35				2.850 11	35
184HG 36				2.967 (10)	36

184HG	37	3.057	14+				37	0.32 PS	+10-13
184HG	38					3.066 (13)	38		
184HG	39					3.185 (12)	39		
184HG	40					3.296 13	40		
-----									
184HG	41					3.330 (13)	41		
184HG	42					3.331 (14)	42		
184HG	43					3.407 (12)	43		
S-p	=	3.442 (0.013)							
-----									
184HG	44					3.620 (15)	44		
184HG	45					3.635 (14)	45		
184HG	46	3.703	16+				46	0.25 PS	+8-14
184HG	47					3.705 15	47		
184HG	48					3.796 (15)	48		
184HG	49					3.907 (14)	49		
184HG	50					3.909 (16)	50		
-----									
184HG	51					3.936 (15)	51		
184HG	52					4.125 (16)	52		
184HG	53					4.167 17	53		
184HG	54					4.228 (17)	54		
184HG	55					4.365 (17)	55		
184HG	56	4.377	18+				56	0.187 PS	21
184HG	57					4.463 (16)	57		
184HG	58					4.530 (18)	58		
184HG	59					4.565 (17)	59		
184HG	60					4.673 (18)	60		
-----									
184HG	61					4.700 19	61		
S-2p	=	4.754 (0.016)							
-----									
184HG	62					4.862 (19)	62		
184HG	63					4.958 (19)	63		
184HG	64	5.064	20+				64		
184HG	65					5.071 (18)	65		
184HG	66					5.183 (20)	66		
184HG	67					5.199 (19)	67		
184HG	68					5.263 (20)	68		
184HG	69					5.298 21	69		
184HG	70					5.598 (21)	70		
-----									
184HG	71					5.700 (20)	71		
184HG	72	5.772	22+				72		
184HG	73					5.863 (22)	73		
184HG	74					5.878 (21)	74		
184HG	75					5.881 (22)	75		
184HG	76					5.952 23	76		
184HG	77	6.516	24+				77		
184HG	78					6.654 (25)	78		
184HG	79					7.318 (26+)	79		

```
S-p    =  3.442 ( 0.013)-----  
S-n    = 10.611 ( 0.012)-----  
S-2p   =  4.754 ( 0.016)-----  
S-2n   = 18.911 ( 0.014)-----  
S-alpha= -5.660 ( 0.014)-----  
  
S+p     = -0.702 ( 0.023)  
S+n     = -7.910 ( 0.017)  
S+2p    = -2.914 ( 0.015)  
S+2n    = -18.337 ( 0.015)  
S+alpha =  6.109 ( 0.014)  
  
gap p   =  2.740 ( 0.026)  
gap n   =  2.701 ( 0.020)  
gap 2p  =  1.840 ( 0.022)  
gap 2n  =  0.573 ( 0.020)  
gap alpha =  0.449 ( 0.020)
```