

^{182}Hg $Z = 80$ $N = 102$ adopted link ENSDF link

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

BE = 1429.969 (0.010) MeV

Qbeta+ = 4.727 (0.021) MeV

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

S-alpha=	-5.996	(0.014)	-----		
182HG 1	0.000	0+			1 10.83 S 6
182HG 2				0.328 (0+)	2
182HG 3	0.352	2+			3 29.2 PS 16
182HG 4	0.548	2+			4 9.5 PS +27-22
182HG 5	0.613	4+			5 25.7 PS 8
182HG 6	0.946	6+			6 6.3 PS 4
182HG 7				1.125 (4+)	7
182HG 8				1.296	8 53 PS LT
182HG 9	1.360	8+			9 1.94 PS 21
182HG 10				1.385	10 13.5 PS 16

182HG 11				1.533	11
182HG 12				1.573	12
182HG 13				1.764	13 2.63 PS 35
182HG 14				1.768 (5-)	14 24 PS 8
182HG 15				1.824	15
182HG 16	1.847	10+			16 0.998 PS 22
182HG 17				1.946	17
182HG 18				2.008 (7-)	18 25.9 PS 14
182HG 19				2.013	19
182HG 20				2.211	20 2.1 PS 16

182HG 21				2.315	21 15.1 PS 22
182HG 22				2.323 (9-)	22 6.31 PS 35
182HG 23	2.399	12+			23
182HG 24				2.412	24
182HG 25				2.687	25
182HG 26				2.714 (11-)	26 2.15 PS 21
182HG 27				2.722	27
182HG 28				2.929	28

S-p	= 2.995	(0.022)	-----		
182HG 29	3.010	14+			29
182HG 30				3.112	30

182HG 31				3.166 (13-)	31 0.97 PS 35
182HG 32				3.290	32
182HG 33				3.486	33
182HG 34				3.573	34
182HG 35				3.647 (15-)	35 2.7 PS LT

182HG	36		3.671	16+							36
S-2p	=		3.725	(0.014)	-----						
182HG	37							3.909			37
182HG	38							4.071			38
182HG	39							4.095			39
182HG	40							4.141	(17-)		40
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182HG	41		4.378	18+							41
182HG	42							4.566			42
182HG	43							4.620			43
182HG	44							5.108	(20+)		44
S-p	=		2.995	(0.022)	-----						
S-n	=		10.987	(0.018)	-----						
S-2p	=		3.725	(0.014)	-----						
S-2n	=		19.469	(0.016)	-----						
S-alpha	=		-5.996	(0.014)	-----						
S+p	=		-0.299	(0.014)							
S+n	=		-8.299	(0.012)							
S+2p	=		-2.053	(0.016)							
S+2n	=		-18.911	(0.014)							
S+alpha	=		6.471	(0.015)							
gap p	=		2.695	(0.026)							
gap n	=		2.688	(0.022)							
gap 2p	=		1.672	(0.021)							
gap 2n	=		0.558	(0.021)							
gap alpha	=		0.475	(0.020)							