

^{203}Hg $Z = 80$ $N = 123$ adopted link ENSDF link

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

BE = 1601.159 (0.002) MeV

Qbeta- = 0.492 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
203HG 1			0.000	5/2-	1 46.610 D 10
203HG 2				0.007 (1/2-)	2
203HG 3				0.051 (3/2-)	3
203HG 4				0.225 (3/2-)	4
S-alpha=	0.305 (0.003)				
203HG 5				0.369 (1/2,3/2,5/2)-	5
203HG 6				0.549 (5/2-)	6
203HG 7				0.592 (9/2-)	7
203HG 8				0.756 (5/2-)	8
203HG 9				0.767 (3/2-)	9
203HG 10				0.933 (13/2+)	10 22.1 US 10
203HG 11				1.027	11
203HG 12				1.044 (3/2-)	12
203HG 13				1.118	13
203HG 14				1.308 (17/2+)	14
203HG 15				1.332	15
203HG 16				1.344 (3/2-)	16
203HG 17				1.375	17
203HG 18				1.468 (7/2-)	18
203HG 19				1.488	19
203HG 20				1.582	20
203HG 21				1.643 (7/2-)	21
203HG 22				1.756 (7/2-)	22
203HG 23				1.763 (7/2-)	23
203HG 24				1.825	24
203HG 25				1.836 (7/2-)	25
203HG 26				1.944	26
203HG 27				1.984	27
203HG 28				2.007	28
203HG 29				2.013 (21/2+)	29
203HG 30				2.032 (9/2+)	30
203HG 31				2.111 (7/2-)	31
203HG 32				2.121 (9/2+)	32
203HG 33				2.206	33
203HG 34				2.226	34
203HG 35				2.367	35
203HG 36				2.451	36

203HG	37	|	|	|	2.612		37
203HG	38	|	|	|	2.639		38
203HG	39	|	|	|	2.695	(5/2+)	39
203HG	40	|	|	|	2.713	(5/2+)	40

203HG	41	|	|	|	2.759	(9/2+)	41
203HG	42	|	|	|	2.962	(23/2-)	42
203HG	43	|	|	|	2.974	(5/2+)	43
203HG	44	|	|	|	3.017		44
203HG	45	|	|	|	3.054	(5/2+)	45
203HG	46	|	|	|	3.080	(25/2+)	46
203HG	47	|	|	|	3.097		47
203HG	48	|	|	|	3.139		48
203HG	49	|	|	|	3.153	(27/2-)	49
203HG	50	|	|	|	3.155		50

203HG	51	|	|	|	3.220		51
203HG	52	|	|	|	3.271	(9/2+)	52
203HG	53	|	|	|	3.305	(9/2+)	53
203HG	54	|	|	|	3.358		54
203HG	55	|	|	|	3.515		55
203HG	56	|	|	|	3.539		56
203HG	57	|	|	|	3.586		57
203HG	58	|	|	|	3.613		58
203HG	59	|	|	|	3.632	(1/2+)	59
203HG	60	|	|	|	3.642	(1/2+)	60

203HG	61	|	|	|	3.673		61
203HG	62	|	|	|	3.694	(29/2-)	62
203HG	63	|	|	|	3.706		63
203HG	64	|	|	|	3.756		64
203HG	65	|	|	|	3.776		65
203HG	66	|	|	|	3.793	(31/2-)	66
203HG	67	|	|	|	3.812	(5/2+)	67
203HG	68	|	|	|	3.841	(5/2+)	68
203HG	69	|	|	|	3.863		69
203HG	70	|	|	|	3.881		70

203HG	71	|	|	|	3.932		71
203HG	72	|	|	|	3.946	(5/2+)	72
203HG	73	|	|	|	3.959		73
203HG	74	|	|	|	3.989	(5/2+)	74
203HG	75	|	|	|	4.006		75
203HG	76	|	|	|	4.030		76
203HG	77	|	|	|	4.087	(1/2+)	77
203HG	78	|	|	|	4.192		78
203HG	79	|	|	|	4.225		79
203HG	80	|	|	|	4.284	(3/2+)	80

203HG	81	|	|	|	4.317	(3/2+)	81

203HG	82	|	|	|	4.348		82		
203HG	83	|	|	|	4.453		83		
203HG	84	|	|	|	4.488		84		
203HG	85	|	|	|	4.588	(31/2-,35/2-)	85		
203HG	86	|	|	|	4.682	(33/2-)	86		
203HG	87	|	|	|	4.806	(33/2+)	87		
203HG	88	|	|	|	5.174	(35/2+)	88		
203HG	89	|	|	|	5.320	(39/2+)	89	7.8 NS	15
203HG	90	|	|	|	5.852	(43/2+)	90		

S-n	=	5.995	(	0.002)	-----				
203HG	91	|	|	|	6.700	(45/2-)	91		
203HG	92	|	|	|	6.961	(49/2-)	92		
203HG	93	|	|	|	7.394	(47/2-)	93		
203HG	94	|	|	|	7.527	(47/2-)	94		
S-p	=	8.205	(	0.023)	-----				
203HG	95	|	|	|	8.281	(53/2+)	95	146 NS	30

S-p	=	8.205	(	0.023)	-----				
S-n	=	5.995	(	0.002)	-----				
S-2p	=	16.107	(	0.050)	-----				
S-2n	=	13.749	(	0.002)	-----				
S-alpha	=	0.305	(	0.003)	-----				

S+p	=	-6.366	(	0.002)					
S+n	=	-7.492	(	0.002)					
S+2p	=	-13.079	(	0.002)					
S+2n	=	-13.161	(	0.004)					
S+alpha	=	0.392	(	0.002)					

gap p	=	1.839	(	0.023)					
gap n	=	-1.497	(	0.002)					
gap 2p	=	3.028	(	0.050)					
gap 2n	=	0.588	(	0.004)					
gap alpha	=	0.698	(	0.003)					