

^{212}Po $Z = 84$ $N = 128$ adopted link ENSDF link

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

BE = 1655.772 (0.001) MeV

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

S-alpha=	-8.954	(0.002)	-----		
212PO 1	0.000	0+			1 294.3 NS 8
212PO 2	0.727	2+			2 14.2 PS 18
212PO 3	1.133	4+			3
212PO 4				1.249	4
212PO 5	1.355	6+			5 0.76 NS 21
212PO 6	1.476	8+			6 14.6 NS 3
212PO 7	1.513	2+			7 0.49 PS 6
212PO 8				1.537	3 8
212PO 9				1.547	9
212PO 10				1.578	10

212PO 11				1.612	11
212PO 12	1.621	1+			12
212PO 13				1.657	13
212PO 14	1.679	2+			14 0.54 PS 6
212PO 15				1.745	(4-) 15 0.33 PS 10
212PO 16				1.753	(8-) 16 0.33 PS 14
212PO 17				1.788	(6-) 17 0.31 PS 6
212PO 18	1.801	0+			18
212PO 19	1.806	2+			19
212PO 20	1.834	10+			20 0.55 NS 14

212PO 21				1.946	(4) 21 0.33 PS 10
212PO 22				1.988	(8) 22
212PO 23				2.003	4(-) 23
212PO 24				2.017	(6) 24 0.333 PS 28
212PO 25				2.086	25
212PO 26				2.101	5 26
212PO 27				2.103	5 27
212PO 28				2.170	28
212PO 29				2.229	7 29
212PO 30				2.237	30

212PO 31				2.282	31
212PO 32				2.295	32
212PO 33				2.337	9 33
212PO 34				2.363	(6) 34
212PO 35				2.376	7 35
212PO 36				2.411	(11-) 36
212PO 37				2.422	37

212P0	38				2.434			38			
212P0	39				2.467	10		39	0.42	PS	11
212P0	40				2.471	(9-)		40			

212P0	41				2.527			41			
212P0	42				2.583			42			
212P0	43				2.605	5		43			
212P0	44				2.606			44			
212P0	45				2.667	5		45	0.97	PS	LE
212P0	46				2.702	(12+)		46			
212P0	47				2.772	(13-)		47			
212P0	48				2.782			48			
212P0	49				2.839			49	0.97	PS	LE
212P0	50				2.861			50	0.97	PS	LE

212P0	51				2.864			51			
212P0	52				2.866	7		52	0.38	PS	LE
212P0	53				2.869			53	0.97	PS	LE
212P0	54				2.878			54			
212P0	55				2.882			55			
212P0	56				2.883			56	0.38	PS	LE
212P0	57				2.885	(14+)		57			
212P0	58				2.930	(18+)		58	45.1	S	6
212P0	59				2.942			59			
212P0	60				2.976			60	0.97	PS	LE

212P0	61				3.007			61			
212P0	62				3.012			62	0.97	PS	LE
212P0	63				3.024			63	0.97	PS	LE
212P0	64				3.037			64			
212P0	65				3.113			65			
212P0	66				3.156	7		66	0.08	PS	4
212P0	67				3.177			67			
212P0	68				3.195			68			
212P0	69				3.205			69	0.97	PS	LE
212P0	70				3.212			70	0.97	PS	LE

S-p = 5.799 (0.006)-----
S-n = 6.008 (0.002)-----
S-2p = 10.219 (0.002)-----
S-2n = 10.559 (0.002)-----
S-alpha= -8.954 (0.002)-----

S+p = -3.499 (0.005)
S+n = -4.355 (0.003)
S+2p = -8.528 (0.009)
S+2n = -10.243 (0.002)
S+alpha = 8.198 (0.006)

gap p = 2.300 (0.008)
gap n = 1.653 (0.004)
gap 2p = 1.690 (0.009)
gap 2n = 0.316 (0.002)
gap alpha = -0.757 (0.006)