

^{202}Pb $Z = 82$ $N = 120$ adopted link ENSDF link

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

BE = 1592.194 (0.004) MeV

Qbeta+ = 0.040 (0.004) MeV

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

S-alpha=	-2.589	(0.004)	-----		
202PB 1	0.000	0+			1 52.5E+3 Y 28
202PB 2	0.961	2+			2 0.1 NS LE
202PB 3	1.383	4+			3 1.97 NS 2
202PB 4				1.584 (2+)	4
202PB 5	1.623	4+			5
202PB 6	1.657	2+			6
202PB 7	1.658	0+			7 30 PS LT
202PB 8				1.798 (2)+	8
202PB 9				1.815	9
202PB 10	1.862	0+			10 30 PS LT

202PB 11	1.915	4+			11
202PB 12	1.965	4+			12
202PB 13			2.040	5-	13
202PB 14	2.159	0+			14 30 PS LT
202PB 15			2.170	9-	15 3.54 H 2
202PB 16	2.185	3+			16
202PB 17				2.202	17
202PB 18			2.208	7-	18 65.4 NS 2
202PB 19	2.235	6+			19
202PB 20			2.289	6-	20

202PB 21			2.307	7-	21
202PB 22				2.325 4+,5+	22
202PB 23				2.360 4-,5-,6-	23
202PB 24			2.387	5-	24
202PB 25	2.516	4+			25
202PB 26			2.517	3-	26
202PB 27			2.610	5-	27
202PB 28				2.619 4-,5-,6-	28
202PB 29	2.666	4+			29
202PB 30	2.750	6+			30

202PB 31			2.899	5-	31
202PB 32				2.917 4-,5-	32
202PB 33				2.968 (4,5)-	33
202PB 34			2.995	5-	34
202PB 35			3.058	11-	35
202PB 36				3.131	36

202PB 37		3.180	4+							37
202PB 38							3.191	(10+)		38
202PB 39		3.200	8+							39
202PB 40		3.238	12+							40

202PB 41					3.286	4-				41
202PB 42							3.329	12		42
202PB 43							3.507	13		43
202PB 44							3.682	(4,5)-		44
202PB 45							3.724	4-,5-		45
202PB 46					3.821	5-				46
202PB 47		3.956	13+							47
202PB 48					4.000	7-				48
202PB 49							4.023	14		49
202PB 50							4.023	(12,13)		50

202PB 51							4.068	(12,13)		51
202PB 52		4.091	14+							52

S-p = 6.049 (0.015)-----
S-n = 8.741 (0.014)-----
S-2p = 11.015 (0.004)-----
S-2n = 15.832 (0.011)-----
S-alpha= -2.589 (0.004)-----

S+p = -2.873 (0.013)
S+n = -6.917 (0.008)
S+2p = -6.979 (0.011)
S+2n = -15.312 (0.004)
S+alpha = 5.327 (0.006)

gap p = 3.175 (0.020)
gap n = 1.824 (0.016)
gap 2p = 4.037 (0.011)
gap 2n = 0.520 (0.011)
gap alpha = 2.738 (0.007)