

^{206}Pb $Z = 82$ $N = 124$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 1622.324 (0.001) MeV

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

S-alpha=	-1.135	(0.001)			
206PB 1	0.000	0+			1 STABLE
206PB 2	0.803	2+			2 8.30 PS 25
206PB 3	1.166	0+			3 0.75 NS 4
206PB 4	1.340	3+			4
206PB 5	1.467	2+			5
206PB 6	1.684	4+			6
206PB 7	1.704	1+			7
206PB 8	1.784	2+			8
206PB 9	1.998	4+			9
206PB 10	2.149	2+			10

206PB 11				2.197 (3)+	11
206PB 12			2.200 7-		12 125 US 2
206PB 13				2.237	13
206PB 14	2.314	0+			14
206PB 15			2.384 6-		15 30 PS 10
206PB 16				2.391	16
206PB 17	2.423	2+			17
206PB 18			2.648 3-		18 0.087 PS 21
206PB 19			2.658 9-		19
206PB 20			2.782 5-		20

206PB 21				2.826 (4)-	21
206PB 22			2.865 7-		22
206PB 23	2.929	4+			23
206PB 24			2.940 6-		24
206PB 25			2.954 8-		25
206PB 26				2.960	26
206PB 27	2.984	2+			27
206PB 28			3.016 5-		28
206PB 29				3.033	29
206PB 30				3.122 (3+)	30

206PB 31				3.139	31
206PB 32				3.194 (5-)	32
206PB 33				3.194 (1,2)	33
206PB 34				3.225 (5,6,7)-	34
206PB 35			3.244 4-		35
206PB 36	3.260	6+			36
206PB 37			3.279 5-		37

206PB 38						3.328				38
206PB 39						3.377				39
206PB 40				3.403	5-					40

206PB 41				3.453	5-					41
206PB 42		3.453	4+							42
206PB 43						3.485				43
206PB 44						3.516	(4+)			44
206PB 45				3.563	5-					45
206PB 46		3.606	2+							46
206PB 47		3.623	4+							47
206PB 48						3.655	(6-)			48
206PB 49						3.675	(4-)			49
206PB 50						3.683				50

206PB 51				3.718	3-					51
206PB 52				3.744	1-					52 5.1 FS 6
206PB 53		3.765	2+							53
206PB 54				3.776	5-					54
206PB 55						3.779				55
206PB 56						3.786	(3,4)-			56
206PB 57						3.795				57
206PB 58						3.827				58
206PB 59						3.847				59
206PB 60						3.883				60

206PB 61						3.901	(2)+			61
206PB 62						3.944				62
206PB 63		3.958	10+							63
206PB 64						3.960	(6)+			64
206PB 65		3.963	4+							65
206PB 66						3.971				66
206PB 67				3.980	2-					67
206PB 68						3.989				68
206PB 69						3.994	(5-)			69
206PB 70						3.997				70

206PB 71						4.000	10+,12+			71
206PB 72						4.001				72
206PB 73						4.005	(4+)			73
206PB 74						4.010				74
206PB 75		4.027	12+							75 202 NS 3
206PB 76						4.035				76
206PB 77						4.045	(3-,4-)			77
206PB 78						4.051				78
206PB 79						4.066	(5)-			79
206PB 80						4.076				80

206PB 81						4.100	(0+)			81
206PB 82		4.102	2+							82 1.1 FS LE

206PB 83						4.113	(4)+	83		
206PB 84		4.117	2+					84	1.59 FS	16
206PB 85						4.120	(6-,7-)	85		
206PB 86		4.123	6+					86		
206PB 87						4.140	(3-)	87		
206PB 88						4.146	1	88	18 FS	13
206PB 89						4.168	(3-)	89		
206PB 90						4.187		90		

206PB 91						4.212		91		
206PB 92						4.221	(3-,4-)	92		
206PB 93						4.225	(4+)	93		
206PB 94						4.238	(5-)	94		
206PB 95						4.243	(7-,8-)	95		
206PB 96						4.257	(5-,7-)	96		
206PB 97						4.292	(3-)	97		
206PB 98						4.317	(2-)	98		
206PB 99		4.320	4+					99		
206PB 100					4.329	1-		100	1.38 FS	15

206PB 101						4.340	(4+)	101		
206PB 102		4.347	6+					102		
206PB 103						4.373		103		
206PB 104						4.385	(5-)	104		
206PB 105						4.410		105		
206PB 106						4.420		106		
206PB 107						4.427		107		
206PB 108						4.433		108		
206PB 109						4.459	(5-)	109		
206PB 110						4.469		110		

206PB 111						4.474	(5-)	111		
206PB 112		4.484	2+					112	19 FS	3
206PB 113						4.496	(4-,5-,6)	113		
206PB 114						4.512		114		
206PB 115						4.525		115		
206PB 116					4.534	5-		116		
206PB 117					4.556	9-		117		
206PB 118						4.563	(3-,4-)	118		
206PB 119						4.580	(7-,8+)	119		
206PB 120						4.595		120		

206PB 121					4.605	1-		121		
206PB 122						4.614	(3-)	122		
206PB 123						4.626	(1,2,3)+	123		
206PB 124						4.648		124		
206PB 125						4.657		125		
206PB 126					4.664	5-		126		
206PB 127						4.673	(8-)	127		
206PB 128						4.675	(2+,3+)	128		

206PB 129				4.687	(2-)	129		
206PB 130				4.692	1	130	6.0 FS	13

206PB 131				4.697	(3-,4-)	131		
206PB 132				4.717	4+,5	132		
206PB 133				4.728	(9-)	133		
206PB 134				4.730		134		
206PB 135				4.742		135		
206PB 136				4.756		136		
206PB 137				4.759	(10+)	137		
206PB 138				4.763		138		
206PB 139				4.779	1	139	1.3 FS	9
206PB 140			4.793	5-		140		

206PB 141				4.795	(3-,4-)	141		
206PB 142				4.809	(5-,6+)	142		
206PB 143				4.818	(10+)	143		
206PB 144				4.828	(7-)	144		
206PB 145				4.833	(5-)	145		
206PB 146	4.842	10+				146		
206PB 147				4.848	1,2	147		
206PB 148				4.860	(6+)	148		
206PB 149				4.862	(3-)	149		
206PB 150				4.878	(6-)	150		

206PB 151				4.889	(3-)	151		
206PB 152				4.901	(7-)	152		
206PB 153				4.912	(4+)	153		
206PB 154				4.914	(3-)	154		
206PB 155				4.925	(5+)	155		
206PB 156				4.933	(1,2+)	156	12.0 FS	27
206PB 157				4.939	(6+,7+)	157		
206PB 158				4.966	(3-)	158		
206PB 159			4.972	1-		159	0.65 FS	7
206PB 160				4.979		160		

206PB 161				4.986	(3-)	161		
206PB 162				5.007	(4+)	162		
206PB 163				5.011	(9+)	163		
206PB 164				5.025		164		
206PB 165			5.039	1-		165	0.187 FS	21
206PB 166	5.040	10+				166		
206PB 167				5.069		167		
206PB 168				5.078	(3+)	168		
206PB 169				5.089	(3-,4+)	169		
206PB 170				5.100	(7-)	170		

206PB 171				5.111	(4+)	171		
206PB 172				5.112	(6+)	172		
206PB 173				5.126		173	21 FS	LE

206PB 174						5.128	1	174	1.99 FS	25
206PB 175						5.138	(8+)	175		
206PB 176						5.169		176		
206PB 177						5.180		177		
206PB 178						5.195	(3+)	178		
206PB 179						5.209		179		
206PB 180		5.218	12+					180		

206PB 181						5.236		181		
206PB 182		5.247	2+					182		
206PB 183				5.261	3-			183		
206PB 184						5.276	(1-)	184		
206PB 185						5.282		185		
206PB 186						5.296	(3-,2+)	186		
206PB 187						5.315	(2+)	187	14 FS	LE
206PB 188						5.332	(3-)	188		
206PB 189						5.350		189		
206PB 190						5.365	(6+)	190		

206PB 191						5.378	1	191	1.65 FS	22
206PB 192						5.380	(9-)	192		
206PB 193						5.390		193		
206PB 194						5.409	(1)	194	5.3 FS	12
206PB 195				5.411	11-			195		
206PB 196						5.415	(4+)	196		
206PB 197						5.435	(3-)	197		
206PB 198						5.459	(1,2+)	198	1.37 FS	27
206PB 199						5.463	(3-)	199		
206PB 200						5.472	1(-)	200	0.78 FS	9

206PB 201		5.475	6+					201		
206PB 202						5.485	(4+)	202		
206PB 203		5.493	2+					203	15 FS	LE
206PB 204						5.513		204		
206PB 205						5.525	1	205	1.14 FS	14
206PB 206						5.533	(4+)	206		
206PB 207				5.544	1-			207		
206PB 208						5.554	(12)+	208		
206PB 209						5.561	(4+)	209		
206PB 210				5.581	1-			210	0.31 FS	4

206PB 211						5.588	(5-)	211		
206PB 212						5.602	(2+)	212		
206PB 213						5.610	(9-)	213		
206PB 214						5.616	1(-)	214	0.201 FS	21
206PB 215		5.637	0+					215		
206PB 216						5.640	(3-)	216		
206PB 217						5.653		217		
206PB 218						5.660	(9-)	218		
206PB 219						5.676	(2+)	219		

206PB 220				5.687	(4+)	220		
206PB 221			5.694	1-		221	0.48 FS	7
206PB 222					5.702	222		
206PB 223					5.715	223		
206PB 224					5.722	224	1.05 FS	17
206PB 225			5.733	1-		225	0.32 FS	7
206PB 226					5.741	226		
206PB 227			5.763	1-		227	0.67 FS	8
206PB 228					5.775	228		
206PB 229					5.779	229		
206PB 230					5.783	230		
206PB 231					5.796	231		
206PB 232					5.800	232		
206PB 233	5.801	1+				233	0.27 FS	3
206PB 234			5.819	1-		234	1.80 FS	28
206PB 235					5.832	235		
206PB 236			5.847	1-		236	0.40 FS	7
206PB 237			5.858	1-		237	0.208 FS	27
206PB 238					5.885	238		
206PB 239			5.904	1-		239	0.132 FS	21
206PB 240					5.911	240		
206PB 241					5.940	241		
206PB 242					5.952	242	3.5 FS	12
206PB 243					5.959	243	1.32 FS	21
206PB 244					5.974	244		
206PB 245					5.994	245		
206PB 246					6.001	246	5.1 FS	29
206PB 247					6.022	247	0.69 FS	10
206PB 248	6.034	14+				248		
206PB 249			6.040	3-		249		
206PB 250					6.065	250		
206PB 251					6.071	251		
206PB 252					6.083	252		
206PB 253					6.100	253		
206PB 254	6.100	2+				254	1.4 FS	3
206PB 255	6.111	2+				255	0.46 FS	17
206PB 256					6.146	256		
206PB 257					6.154	257		
206PB 258					6.167	258		
206PB 259	6.167	8+				259		
206PB 260	6.181	2+				260		
206PB 261					6.197	261		
206PB 262					6.198	262		
206PB 263					6.201	263	2.2 FS	4
206PB 264					6.220	264		

206PB 265				6.236			265
206PB 266				6.251			266
206PB 267				6.260			267
206PB 268				6.284			268
206PB 269				6.302			269
206PB 270				6.314	(2+,3-)		270

206PB 271				6.332			271
206PB 272		6.346	2+				272
206PB 273				6.383	(14+)		273
206PB 274		6.408	8+				274
206PB 275				6.411	1		275 0.70 FS 17
206PB 276				6.419	1,2+		276 1.14 FS 29
206PB 277			6.431	15-			277
206PB 278				6.434	1		278 1.3 FS 4
206PB 279				6.443	(1)		279 2.1 FS 9
206PB 280				6.469	1		280 0.7 FS 6

206PB 281				6.480	(6+)		281
206PB 282				6.496			282
206PB 283			6.511	1-			283 1.9 FS 17
206PB 284		6.524	6+				284
206PB 285			6.545	2-			285
206PB 286				6.565	(15-)		286
206PB 287				6565.3+X			287
206PB 288		6.573	6+				288
206PB 289				6.593			289
206PB 290				6.617			290

206PB 291				6.620	(1+)		291
206PB 292				6.634	(8+)		292
206PB 293				6.655			293
206PB 294		6.689	8+				294
206PB 295		6.692	6+				295
206PB 296			6.723	1-			296
206PB 297				6.761			297
206PB 298				6.806			298
206PB 299			6.821	1-			299
206PB 300				6.830			300

206PB 301				6.850	(1+)		301
206PB 302				6851.4+X			302
206PB 303				6.946			303
206PB 304				7.000			304
206PB 305				7.063	1(-)		305
206PB 306				7.082	1(-)		306
206PB 307				7.127	(1-)		307
206PB 308				7.202	1(-)		308

S-p =	7.254	(0.002)	-----	-----	-----	-----	-----
206PB 309			7.311	1-			309

206PB 310				7.350	GE 9	310
206PB 311		7.423	1-			311
206PB 312				7.464	1,2	312
206PB 313				7.487	(1-)	313
206PB 314				7.503	(1)	314
206PB 315		7.543	1-			315
206PB 316				7.570	1	316
206PB 317				7661.9+X		317
206PB 318				7.758	(4+)	318
206PB 319				7759.2+X		319
206PB 320				7.815		320
206PB 321				7.846	1	321
206PB 322	7.850	8+				322
206PB 323	7.874	8+				323
206PB 324				7.881	1	324
206PB 325				7.891	1	325
206PB 326				7.903	1	326
206PB 327				7.976	1	327
206PB 328				8.000	1	328
206PB 329				8.040		329
206PB 330				8.080		330
206PB 331				8081.8+X		331
S-n	=	8.087	(0.002)	-----		
206PB 332				8.199		332
206PB 333				8.226		333
206PB 334				8.300		334
206PB 335				8705.6+X		335
206PB 336				8.800		336
206PB 337				9.150		337
S-p	=	7.254	(0.002)	-----		
S-n	=	8.087	(0.002)	-----		
S-2p	=	13.673	(0.001)	-----		
S-2n	=	14.818	(0.002)	-----		
S-alpha	=	-1.135	(0.001)	-----		
S+p	=	-3.558	(0.003)			
S+n	=	-6.738	(0.002)			
S+2p	=	-8.262	(0.002)			
S+2n	=	-14.106	(0.002)			
S+alpha	=	5.407	(0.002)			
gap p	=	3.696	(0.003)			
gap n	=	1.349	(0.002)			
gap 2p	=	5.411	(0.002)			
gap 2n	=	0.713	(0.002)			

gap alpha = 4.272 (0.002)