

^{206}Po $Z = 84$ $N = 122$ [link to full NNDC output](#)

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

BE = 1615.163 (0.004) MeV

Qbeta+ = 1.839 (0.009) MeV

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

S-alpha=	-5.327	(0.005)	-----					
206PO 1	0.000	0+						1 8.8 D 1
206PO 2	0.701	2+						2
206PO 3	1.162	2+						3
206PO 4	1.178	4+						4
206PO 5	1.434	4+						5
206PO 6	1.546	4+						6
206PO 7					1.565	(3)+		7
206PO 8	1.573	6+						8
206PO 9	1.586	8+						9 232 NS 4
206PO 10					1.916	(4)+		10

206PO 11					2.101	(5)+		11
206PO 12					2.139	(4+,5+)		12
206PO 13	2.200	8+						13
206PO 14			2.262	9-				14 1.05 US 6
206PO 15					2.303	(5+)		15
206PO 16	2.419	10+						16
206PO 17					2.423	(9+)		17
206PO 18					2.432	(9,10)		18
206PO 19					2.501	5+,6+		19
206PO 20					2.582	(4+,5+,6+)		20

206PO 21	2.613	10+						21
206PO 22			2.656	11-				22 0.5 NS 1
206PO 23	2.781	11+						23
206PO 24	2.902	12+						24
206PO 25					2.917	(4+,5+,6+)		25
206PO 26			3.068	11-				26
206PO 27	3.210	12+						27
206PO 28					3.362	(+)		28
206PO 29					3.396			29
206PO 30			3.463	13-				30

206PO 31			3.486	13-				31
206PO 32			3.549	14-				32
206PO 33			3.558	12-				33
206PO 34			3.567	15-				34
206PO 35					3.595	(+)		35
206PO 36					3.704			36

206PO 37	|		|		|	3.872	(+)	37
206PO 38	|		|	3.952	14-			38
206PO 39	|		|			4.039		39
206PO 40	|		|	4.163	16-			40

206PO 41	|		|			4.231		41
206PO 42	|		|			4.410	(+)	42
S-p	=	4.413	(	0.006)	-----			
206PO 43	|		|			4.420		43
206PO 44	|		|			4.484	(13)	44
206PO 45	|		|			4.495	(13)	45
206PO 46	|	4.569	14+					46
206PO 47	|	4.613	15+					47
206PO 48	|		|	4.633	17-			48
206PO 49	|		|			4.652	(16+)	49
206PO 50	|		|			4.686	(17+)	50

206PO 51	|		|			4.698		51
206PO 52	|	4.712	16+					52
206PO 53	|		|	4.744	17-			53
206PO 54	|		|			4.832	(18+)	54
206PO 55	|		|			5.169	(17+)	55
206PO 56	|		|			5.213	(19+)	56
206PO 57	|		|			5.335	(18+)	57
206PO 58	|		|			5.378	(18-)	58
206PO 59	|		|			5.486		59
206PO 60	|		|			5.514	(19+)	60

206PO 61	|		|			5.875	(20)	61
206PO 62	|		|	5.935	19-			62
206PO 63	|		|			6.010	(20)	63
206PO 64	|		|			6.020		64
206PO 65	|		|			6.051		65
206PO 66	|		|			6.119	(20-)	66
206PO 67	|		|			6.288	(21-)	67
206PO 68	|		|			6.344		68
206PO 69	|		|			6.478		69
206PO 70	|		|			6.522	(21)	70

206PO 71	|		|			6.700	(21)	71
206PO 72	|		|			6.756	(22-)	72
206PO 73	|		|			6.873	(21)	73
206PO 74	|		|			6.958	(22)	74
206PO 75	|		|			6.983		75
206PO 76	|		|			7.121		76
206PO 77	|		|			7.137		77
206PO 78	|		|			7.159	(23)	78
206PO 79	|		|			7.197	(23)	79
206PO 80	|		|			7.268		80

206P0	81	|	|	|	7.282	(22)	81
206P0	82	|	|	|	7.413		82
206P0	83	|	|	|	7.474		83
206P0	84	|	|	|	7.502	(24)	84
206P0	85	|	|	|	7.594		85

S-2p	=	7.657	(	0.004)			
206P0	86	|	|	|	7.823		86
206P0	87	|	|	|	8.044		87
206P0	88	|	|	|	8.201		88
206P0	89	|	|	|	8.219		89
206P0	90	|	|	|	8.259		90

206P0	91	|	|	|	8.265		91
206P0	92	|	|	|	8.349		92
206P0	93	|	|	|	8.382		93
206P0	94	|	|	|	8.431		94
206P0	95	|	|	|	8.628		95
206P0	96	|	|	|	8.643		96
S-n	=	8.739	(	0.011)			
206P0	97	|	|	|	8.898		97
206P0	98	|	|	|	8.994		98
206P0	99	|	|	|	9.725		99

S-p	=	4.413	(	0.006)			
S-n	=	8.739	(	0.011)			
S-2p	=	7.657	(	0.004)			
S-2n	=	15.990	(	0.012)			
S-alpha	=	-5.327	(	0.005)			

S+p	=	-2.328	(	0.013)			
S+n	=	-7.028	(	0.008)			
S+2p	=	-6.045	(	0.012)			
S+2n	=	-15.424	(	0.004)			
S+alpha	=	6.159	(	0.006)			

gap p	=	2.086	(	0.015)			
gap n	=	1.710	(	0.013)			
gap 2p	=	1.612	(	0.013)			
gap 2n	=	0.567	(	0.012)			
gap alpha	=	0.832	(	0.008)			