

¹⁹⁹Po Z = 84 N = 115 adopted link ENSDF link

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

BE = 1555.714 (0.005) MeV

Qbeta+ = 5.559 (0.012) MeV

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

S-alpha=	-6.074	(0.007)	-----		
199Po 1				0.000 (3/2-)	1 5.47 M 15
199Po 2				0.072 (5/2-)	2
199Po 3				0.310 (13/2+)	3 4.17 M 5
199Po 4				0.909 (17/2+)	4
199Po 5				1.025 (15/2+)	5
199Po 6				1.472 (21/2+)	6
199Po 7				1.602 (19/2+)	7
199Po 8				1.728	8
199Po 9				1.870 (25/2+)	9
199Po 10				1.892 (21/2+)	10

199Po 11				2.104 (25/2+)	11
199Po 12				2.177 (23/2)	12
199Po 13				2.271 (27/2)	13
199Po 14				2.298 (25/2+)	14
199Po 15				2.353 (27/2)	15
199Po 16				2.700	16
199Po 17				2.721 (29/2+)	17
199Po 18				2.722 (27/2+)	18
199Po 19				2.762 (29/2+)	19
199Po 20				2.978 (31/2+, 29/2-)	20

199Po 21				3.008 (31/2)	21
199Po 22				3.146 (33/2+)	22

S-p =	3.154	(0.028)	-----		
199Po 23				3.409 (33/2+)	23
199Po 24				3.557 (35/2+, 33/2-)	24
199Po 25				3.647	25
199Po 26				3.686 (37/2+)	26
199Po 27				3.931	27
199Po 28				0.000 (3/2-)	28

S-p =	3.154	(0.028)	-----		
S-n =	7.837	(0.018)	-----		
S-2p =	5.071	(0.007)	-----		
S-2n =	17.989	(0.011)	-----		
S-alpha=	-6.074	(0.007)	-----		

S+p = -1.038 (0.025)
S+n = -9.774 (0.009)
S+2p = -3.447 (0.011)
S+2n = -17.425 (0.007)
S+alpha = 6.630 (0.008)

gap p = 2.116 (0.038)
gap n = -1.937 (0.020)
gap 2p = 1.625 (0.014)
gap 2n = 0.563 (0.013)
gap alpha = 0.556 (0.011)