

^{198}Po $Z = 84$ $N = 114$ adopted link ENSDF link

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

BE = 1547.877 (0.017) MeV

Qbeta+ = 3.901 (0.033) MeV

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

S-alpha=	-6.310	(0.025)	-----					
198PO 1	0.000	0+						1 1.760 M 24
198PO 2	0.605	2+						2
198PO 3	0.816	0+						3 0.4 NS LT
198PO 4	1.039	2+						4
198PO 5	1.158	4+						5
198PO 6	1.483	4+						6
198PO 7	1.718	6+						7
198PO 8			1.808	5-				8
198PO 9	1.854	8+						9 29 NS 2
198PO 10					1.875	(6+)		10

198PO 11			2.114	7-				11
198PO 12			2.288	8-				12
198PO 13			2.325	9-				13
198PO 14					2.345	(8+)		14
198PO 15			2.566	11-				15 200 NS 20
198PO 16					2.621	(8+)		16
198PO 17			2.641	9-				17
198PO 18	2.692	10+						18
198PO 19			2.813	10-				19
198PO 20			2.900	11-				20

198PO 21					2.964			21
198PO 22					3.010	(10+)		22
S-p =	3.075	(0.019)	-----					
198PO 23					3.174	(11-)		23
198PO 24			3.309	12-				24
198PO 25			3.465	13-				25
198PO 26					3.646	(13-)		26
198PO 27					3.802			27
198PO 28			3.868	14-				28
198PO 29					4.052			29
198PO 30					4.086	(15-)		30

198PO 31					4.322	(16-)		31
198PO 32					4.521			32
198PO 33					4.596			33

S-p = 3.075 (0.019)-----
S-n = 10.152 (0.020)-----
S-2p = 4.703 (0.019)-----
S-2n = 18.147 (0.018)-----
S-alpha= -6.310 (0.025)-----

S+p = -0.639 (0.018)
S+n = -7.837 (0.018)
S+2p = -3.105 (0.018)
S+2n = -17.611 (0.019)
S+alpha = 6.774 (0.025)

gap p = 2.436 (0.027)
gap n = 2.315 (0.027)
gap 2p = 1.598 (0.026)
gap 2n = 0.536 (0.026)
gap alpha = 0.464 (0.035)