

^{218}Po $Z = 84$ $N = 134$ [link to full NNDC output](#)

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

BE = 1685.473 (0.002) MeV

Qbeta- = 0.259 (0.012) MeV

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

S-alpha=	-6.115	(0.003)	-----		
218PO 1	0.000	0+			1 3.098 M 12
218PO 2	0.510	2+			2
218PO 3				0.675	3
218PO 4				0.935 (4+)	4
218PO 5				1.321 (6+)	5
218PO 6				1.584 (8+)	6
218PO 7				1.758	7
218PO 8				1.859	8
218PO 9				1.871	9
218PO 10				2.002	10

218PO 11				2.047	11
218PO 12				2.287	12

S-p = 7.662 (0.018)-----
S-n = 5.598 (0.007)-----
S-2p = 0.000 (0.000)-----
S-2n = 9.568 (0.003)-----
S-alpha= -6.115 (0.003)-----

S+p = -5.250 (0.004)
S+n = -3.747 (0.016)
S+2p = -12.323 (0.003)
S+2n = -9.236 (0.018)
S+alpha = 5.590 (0.003)

gap p = 2.412 (0.018)
gap n = 1.851 (0.017)
gap 2p = 0.000 (0.000)
gap 2n = 0.332 (0.018)
gap alpha = -0.524 (0.004)