

$^{194}\text{Po}$        $Z = 84$        $N = 110$       [link to full NNDC output](#)

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

BE = 1511.123 ( 0.013) MeV  
 Qbeta+ = 5.024 ( 0.014) MeV

	Energy T	J+	J-	J-other	T1/2
-----					
S-alpha=	-6.987	( 0.018)	-----		
194PO 1	0.000	0+			1 0.392 S 4
194PO 2	0.320	2+			2
194PO 3				0.687 (4+)	3
194PO 4				0.758 (2+)	4
194PO 5				1.148 (6+)	5
194PO 6				1.211 (4+)	6
194PO 7				1.645 (6+)	7
194PO 8				1.694 (8+)	8
194PO 9				1.986 (7-)	9
194PO 10				2.067 (8+)	10
-----					
194PO 11				2.284 (9-)	11
194PO 12				2.295 (10+)	12
S-p =	2.409	( 0.015)	-----		
194PO 13				2.525 (11-)	13 15 US 2
194PO 14				2.625 (12+)	14
194PO 15				2.656 (10)	15
194PO 16				2.917 (14+)	16
S-2p =	3.026	( 0.019)	-----		
194PO 17				3.326 (16+)	17

S-p = 2.409 ( 0.015)-----  
 S-n = 10.751 ( 0.019)-----  
 S-2p = 3.026 ( 0.019)-----  
 S-2n = 19.077 ( 0.017)-----  
 S-alpha= -6.987 ( 0.018)-----

S+p = 0.245 ( 0.016)  
 S+n = -8.123 ( 0.040)  
 S+2p = -1.602 ( 0.019)  
 S+2n = -18.611 ( 0.019)  
 S+alpha = 7.349 ( 0.019)

gap p = 2.654 ( 0.022)  
 gap n = 2.628 ( 0.044)  
 gap 2p = 1.424 ( 0.027)  
 gap 2n = 0.465 ( 0.025)  
 gap alpha = 0.362 ( 0.026)