

$^{202}\text{Po}$        $Z = 84$        $N = 118$       [link to full NNDC output](#)

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

BE = 1582.631 ( 0.009) MeV

Qbeta+ = 2.800 ( 0.018) MeV

	Energy T	J+		J-	J-other	T1/2
-----						
S-alpha=	-5.701	( 0.012)	-----			
202Po 1	0.000	0+				1 44.6 M 4
202Po 2	0.677	2+				2
202Po 3	1.249	4+				3
202Po 4					1.303 (2)+	4
202Po 5					1.585 (3,4+)	5
202Po 6	1.667	4+				6
202Po 7					1.689 (3,4+)	7
202Po 8	1.691	6+				8
202Po 9					1691.5+X	9 110 NS 15
202Po 10	1.758	0+				10
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202Po 11					1.774 (5,6+)	11
202Po 12					1.775 (3,4+)	12
202Po 13			1.866	5-		13
202Po 14					2.103 (5,6+)	14
202Po 15	2.128	6+				15
202Po 16					2194.30+X	16
202Po 17					2218.10+X	17 1.5 NS AP
202Po 18					2.231 3-,7-	18
202Po 19					2.254 2+,6+	19
202Po 20					2.283 (5-)	20
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202Po 21					2294.70+X	21
202Po 22					2.346 3-,7-	22
202Po 23					2.485 4-,5-,6-	23
202Po 24					2.578 4+,8+	24
202Po 25					2604.1+X	25 85 NS 10
202Po 26					2830.7+X	26
202Po 27					2.840	27
202Po 28					2897.5+X	28
202Po 29					3040.5+X	29 19 NS 4
202Po 30					3435.2+X	30
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202Po 31					3573.5+X	31 11 NS 3
202Po 32					3616.0+X	32
202Po 33					4071.2+X	33
202Po 34					4609.2+X	34
202Po 35					4612.7+X	35
202Po 36					4738.8+X	36

202P0	37				4822.9+X		37
202P0	38				4923.5+X		38
202P0	39				5188.7+X		39
202P0	40				5209.6+X		40
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202P0	41				5293.3+X		41
202P0	42				5528.9+X		42

S-p = 3.814 ( 0.018)-----  
S-n = 9.492 ( 0.010)-----  
S-2p = 6.269 ( 0.014)-----  
S-2n = 17.143 ( 0.012)-----  
S-alpha= -5.701 ( 0.012)-----

S+p = -1.510 ( 0.014)  
S+n = -7.441 ( 0.012)  
S+2p = -4.607 ( 0.011)  
S+2n = -16.542 ( 0.014)  
S+alpha = 6.384 ( 0.012)

gap p = 2.304 ( 0.022)  
gap n = 2.051 ( 0.016)  
gap 2p = 1.662 ( 0.018)  
gap 2n = 0.600 ( 0.018)  
gap alpha = 0.683 ( 0.017)