^{204}Po $Z = 84$ $N = 120$ adopted link ENSDF link

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

BE = 1599.173 (0.010) MeV
Qbeta+ = 2.305 (0.014) MeV

	Energy	T	J+		J-		J-other		T1/2	
S-alpha= -5.485 (0.014)										
204PO 1	0.000		0+					1	3.519 H	12
204PO 2	0.684		2+					2		
204PO 3	1.201		4+					3		
204PO 4						1.255	(3)+	4		
204PO 5	1.552		4+					5		
204PO 6	1.627		6+					6		
204PO 7						1.635	(3+)	7		
204PO 8	1.639		8+					8	154 NS	4
204PO 9						1.651	(6-,7-)	9		
204PO 10						1.716	(3,4+)	10		
204PO 11						1.729	(4)+	11		
204PO 12	1.962		6+					12		
204PO 13				2.042	5-			13		
204PO 14						2.100	(3,4,5)+	14		
204PO 15						2.194		15		
204PO 16				2.227	9-			16	15.6 NS	5
204PO 17	2.248		8+					17		
204PO 18				2.290	7-			18		
204PO 19				2.303	6-			19		
204PO 20						2.324	6,7,8	20		
204PO 21						2.376	(7)	21		
204PO 22						2.472	(6,7)+	22		
204PO 23	2.527		10+					23		
204PO 24	2.539		9+					24		
204PO 25						2.548	6+,7,8+	25		
204PO 26						2.553	6,7,8	26		
204PO 27						2.587		27		
204PO 28				2.621	11-			28	3.6 NS	2
204PO 29						2.728	(7,8)+	29		
204PO 30	2.789		10+					30		
204PO 31						2.789	(6,7,8+)	31		
204PO 32						2.803	(6,7-)	32		
204PO 33				2.828	10-			33		
204PO 34						2.895	(11+)	34		
204PO 35				2.900	7-			35		
204PO 36				2.905	11-			36		

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204PO  37 |                |   2.946     10- |                          37
204PO  38 |                |                 |   3.010     (6+,7,8)     38
204PO  39 |  3.084     11+ |                 |                          39
204PO  40 |  3.125     12+ |                 |                          40
----------                                                             -----------------
204PO  41 |  3.134     11+ |                 |                          41
204PO  42 |                |                 |   3.217     (10,11,12)-  42
204PO  43 |                |   3.227     12- |                          43
204PO  44 |                |                 |   3.387                  44
204PO  45 |                |   3.387     13- |                          45    9 NS    3
204PO  46 |                |   3.439     13- |                          46
204PO  47 |                |   3.459     12- |                          47
204PO  48 |                |   3.528     13- |                          48
204PO  49 |                |   3.564     15- |                          49    11.5 NS 9
204PO  50 |                |                 |   3.576                  50
----------                                                             -----------------
204PO  51 |                |                 |   3.649                  51
204PO  52 |                |                 |   3.723                  52
204PO  53 |                |   3.767     13- |                          53
204PO  54 |                |   3.899     14- |                          54
204PO  55 |                |   3.975     15- |                          55
204PO  56 |                |                 |   4.096                  56
S-p    =   4.105 ( 0.016)-------------------------------------------------------------------------
204PO  57 |                |                 |   4.137                  57
204PO  58 |                |                 |   4.169     (16-)        58
204PO  59 |                |   4.175     15- |                          59
204PO  60 |                |                 |   4.187                  60
----------                                                             -----------------
204PO  61 |                |   4.203     15- |                          61
204PO  62 |                |                 |   4.212     (14+)        62
204PO  63 |                |                 |   4.313     (16-)        63
204PO  64 |                |   4.359     16- |                          64
204PO  65 |                |   4.362     13- |                          65
204PO  66 |                |                 |   4.383     (17-)        66
204PO  67 |                |                 |   4.438     (16+)        67
204PO  68 |                |   4.471     17- |                          68
204PO  69 |                |                 |   4.532                  69
204PO  70 |                |                 |   4.615     (18-)        70
----------                                                             -----------------
204PO  71 |                |                 |   4.819                  71
204PO  72 |                |                 |   4.978                  72
204PO  73 |                |                 |   5.155                  73
204PO  74 |                |                 |   5.295     (19-)        74
204PO  75 |                |                 |   5.911     (20,21-)     75


S-p    =   4.105 ( 0.016)-------------------------------------------------------------------------
S-n    =   9.102 ( 0.011)-------------------------------------------------------------------------
S-2p   =   6.979 ( 0.011)-------------------------------------------------------------------------
S-2n   =  16.542 ( 0.013)-------------------------------------------------------------------------
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```
S-alpha=  -5.485 ( 0.014)----------------------------------------------------------------------

S+p       =  -1.932 ( 0.016)
S+n       =  -7.252 ( 0.014)
S+2p      =  -5.370 ( 0.013)
S+2n      = -15.990 ( 0.011)
S+alpha   =   6.261 ( 0.014)

gap p     =   2.173 ( 0.023)
gap n     =   1.850 ( 0.018)
gap 2p    =   1.609 ( 0.017)
gap 2n    =   0.552 ( 0.017)
gap alpha =   0.776 ( 0.020)
```