

$^{214}\text{Po}$        $Z = 84$        $N = 130$       adopted link      ENSDF link

Based on ensdf\_240402 (Apr 2024), and mass evaluation from 2020

BE = 1666.015 ( 0.001) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-7.834	( 0.002)	-----		
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214Po 1	0.000	0+			1 163.46 US 4
214Po 2	0.609	2+			2
214Po 3	1.015	(4+)			3
214Po 4			1.275	3-	4
214Po 5	1.339	(6+)			5
214Po 6	1.378	2+			6
214Po 7	1.415	0+			7 99 PS 3
214Po 8	1.543	2+			8
214Po 9	1.584	(8+)			9 13 NS 1
214Po 10				1.590	10
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214Po 11	1.661	2+			11
214Po 12				1.686	12
214Po 13	1.713	(3+)			13
214Po 14	1.730	2+			14
214Po 15				1.737	15
214Po 16	1.743	0(+)			16
214Po 17	1.765	1+			17
214Po 18	1.823	(8+)			18
214Po 19				1.843	19
214Po 20	1.847	2+			20
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214Po 21	1.890	(2)+			21
214Po 22				1.982 (7)	22
214Po 23			1.995	1-	23
214Po 24	2.011	(2+)			24
214Po 25	2.017	0+			25
214Po 26				2.088 (1,2+)	26
214Po 27	2.119	1+			27
214Po 28				2.148 (1-,2+)	28
214Po 29				2.158 (9)	29
214Po 30	2.179	(10+)			30
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214Po 31	2.193	(2)+			31
214Po 32	2.204	1+			32
214Po 33				2.209 (2-,3)	33
214Po 34	2.266	2+			34
214Po 35				2.272 (9)	35
214Po 36				2.293 (1+,2+)	36

214P0	37					2.348 (1,2+)	37
214P0	38					2.361 (1,2+)	38
214P0	39	2.378	(10+)				39
214P0	40					2.423 (1,2+)	40
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214P0	41			2.448	1-		41
214P0	42					2.482 (1-,2+)	42
214P0	43					2.505 (1-,2+)	43
214P0	44	2.508	(0+)				44
214P0	45					2.545	45
214P0	46					2.553	46
214P0	47					2.562	47
214P0	48	2.605	(2+)				48
214P0	49					2.605	49
214P0	50	2.612	(12+)				50
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214P0	51					2.631 (1,2+)	51
214P0	52	2.662	(2+)				52
214P0	53					2.670	53
214P0	54					2.695 (1-,2+)	54
214P0	55					2.699 (1,2)+	55
214P0	56	2.719	1+				56
214P0	57					2.729 (0+,1,2)	57
214P0	58	2.734	(12+)				58
214P0	59					2.770 (1,2+)	59
214P0	60					2.786 (1,2+)	60
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214P0	61					2.794	61
214P0	62					2.803	62
214P0	63					2.827 (1,2+)	63
214P0	64					2.861 (1,2+)	64
214P0	65					2.870 (2-,3-)	65
214P0	66					2.880 (1-,2+)	66
214P0	67					2.894 (1,2+)	67
214P0	68					2.897	68
214P0	69					2.920	69
214P0	70					2.922 (1,2+)	70
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214P0	71					2.929 (1,2+)	71
214P0	72					2.935 (1,2+)	72
214P0	73					2.941 (1-,2+)	73
214P0	74					2.963	74
214P0	75					2.968	75
214P0	76					2.979 (1,2+)	76
214P0	77					2.986 (2-,3)	77
214P0	78					3.000 (1-,2+)	78
214P0	79					3.003	79
214P0	80					3.006	80
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214P0	81					3.014 (1,2+)	81

214P0	82			3.022 (2-,3,4+)	82
214P0	83			3.030	83
214P0	84			3.039	84
214P0	85			3.054 (1,2+)	85
214P0	86			3.068	86
214P0	87			3.079	87
214P0	88			3.082 (1,2+)	88
214P0	89			3.094 (1-,2+)	89
214P0	90			3.139	90
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214P0	91			3.143 (1,2+)	91
214P0	92			3.149 (1,2+)	92
214P0	93			3.160 (1,2+)	93
214P0	94			3.164	94
214P0	95			3.173	95
214P0	96			3.184 (1,2+)	96
214P0	97			3.262	97

S-p = 6.527 ( 0.005) -----  
S-n = 5.888 ( 0.003) -----  
S-2p = 11.499 ( 0.002) -----  
S-2n = 10.243 ( 0.002) -----  
S-alpha= -7.834 ( 0.002) -----

S+p = -4.076 ( 0.007)  
S+n = -4.143 ( 0.003)  
S+2p = -9.855 ( 0.006)  
S+2n = -9.890 ( 0.002)  
S+alpha = 7.262 ( 0.003)

gap p = 2.452 ( 0.009)  
gap n = 1.745 ( 0.004)  
gap 2p = 1.644 ( 0.006)  
gap 2n = 0.353 ( 0.003)  
gap alpha = -0.571 ( 0.003)