

$^{214}\text{Rn}$        $Z = 86$        $N = 128$       [link to full NNDC output](#)

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

BE = 1664.300 ( 0.009) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-9.209 ( 0.009)				
214RN 1	0.000	0+			1 0.27 US 2
214RN 2	0.695	2+			2 1.4 NS LT
214RN 3	1.141	4+			3 1.4 NS LT
214RN 4				1.332	4
214RN 5	1.443	6+			5 0.69 NS 21
214RN 6	1.625	8+			6 6.5 NS 30
214RN 7				1.801	7
214RN 8	1.928	10+			8 0.90 NS 21
214RN 9				1.945	9
214RN 10				2.028	10
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214RN 11				2.100	11
214RN 12				2.209	12
214RN 13				2.320	13
214RN 14				2.377	14 8+,9,10+
214RN 15			2.395	11-	15 1.4 NS LT
214RN 16				2.505	16
214RN 17				2.557	17
214RN 18				2.649	18 (11,12)-
214RN 19				2.668	19
214RN 20			2.676	13-	20 3.7 NS 3
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214RN 21				2.682	21
214RN 22				2.689	22
214RN 23	2.878	12+			23 1.4 NS LT
214RN 24				2.917	24
214RN 25	3.148	14+			25 1.4 NS LT
214RN 26				3.269	26 (14)+
214RN 27	3.328	16+			27 5.1 NS 3
214RN 28				3.465	28
214RN 29	3.490	18+			29 44 NS 3
214RN 30				3.540	30
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214RN 31				3.579	31 (18)-
214RN 32				3.610	32 (16)+
214RN 33			3.746	19-	33 2.4 NS 3
214RN 34				3.753	34
214RN 35				3.791	35
214RN 36				3.828	36 (20)-
214RN 37				3.907	37

214RN	38				3.941				38
214RN	39				4.064				39
214RN	40				4.220				40
-----									
214RN	41				4.250				41
214RN	42				4.262				42
214RN	43				4.517				43
214RN	44				4.555				44
214RN	45				4.595	(22+)		45	245 NS 30
214RN	46				4.751				46
214RN	47				4.859				47
214RN	48				4.978			48	8.0 NS 3
S-p	=	5.029	(	0.010)	-----				
214RN	49				5.051				49

S-p = 5.029 ( 0.010)-----  
 S-n = 6.695 ( 0.010)-----  
 S-2p = 8.528 ( 0.009)-----  
 S-2n = 11.803 ( 0.010)-----  
 S-alpha= -9.209 ( 0.009)-----

S+p = -2.651 ( 0.012)  
 S+n = -4.920 ( 0.012)  
 S+2p = -6.967 ( 0.013)  
 S+2n = -11.570 ( 0.011)  
 S+alpha = 8.546 ( 0.014)

gap p = 2.378 ( 0.016)  
 gap n = 1.775 ( 0.016)  
 gap 2p = 1.561 ( 0.016)  
 gap 2n = 0.233 ( 0.015)  
 gap alpha = -0.663 ( 0.017)