

^{206}Rn $Z = 86$ $N = 120$ [link to full NNDC output](#)

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

BE = 1604.542 (0.009) MeV

Qbeta+ = 3.297 (0.017) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-6.384	(0.012)	-----		
206RN 1	0.000	0+			1 5.67 M 17
206RN 2	0.575	2+			2
206RN 3	1.134	4+			3
206RN 4				1.502 (2,3)	4
206RN 5	1.763	6+			5 1.8 NS 13
206RN 6				1.818 (6)+	6
206RN 7	1.924	8+			7 6.3 NS 24
206RN 8				2.025	8
206RN 9				2.174	9
206RN 10				2.207 (7,8)+	10

206RN 11			2.270 9-		11
206RN 12			2.476 10-		12 65 NS 5
206RN 13	2.535	10+			13
206RN 14				2.585 (11)	14
206RN 15				2.834 (12)	15
206RN 16	3.132	12+			16
206RN 17				3.362 (13)	17

S-p	= 3.450	(0.017)	-----		
206RN 18				3.888 (14)	18
206RN 19				4.130 (15)	19 11 NS 2

S-p	= 3.450	(0.017)	-----		
S-n	= 9.495	(0.010)	-----		
S-2p	= 5.370	(0.014)	-----		
S-2n	= 17.305	(0.011)	-----		
S-alpha=	-6.384	(0.012)	-----		

S+p	= -1.000	(0.020)	-----		
S+n	= -7.573	(0.012)	-----		
S+2p	= -3.717	(0.012)	-----		
S+2n	= -16.665	(0.014)	-----		
S+alpha	= 7.151	(0.013)	-----		

gap p	= 2.449	(0.026)	-----		
gap n	= 1.921	(0.016)	-----		
gap 2p	= 1.653	(0.019)	-----		
gap 2n	= 0.640	(0.018)	-----		

gap alpha = 0.767 (0.018)