

^{212}Rn $Z = 86$ $N = 126$ [link to full NNDC output](#)

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

BE = 1652.497 (0.003) MeV

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

S-alpha=	-6.385	(0.004)	-----		
212RN 1	0.000	0+			1 23.9 M 12
212RN 2	1.274	2+			2
212RN 3	1.502	4+			3 8.8 NS 3
212RN 4				1.640 (6)+	4 118 NS 14
212RN 5				1.694 (8+)	5 0.91 US 3
212RN 6				2.116 (8+)	6
212RN 7				2.172	7
212RN 8				2.306	8
212RN 9				2.655 (10+)	9
212RN 10				2.687	10

212RN 11				2.696	11
212RN 12				2.761 (11-)	12 5.5 NS 2
212RN 13				2.881 (12+)	13 2.1 NS 1
212RN 14				2.967	14
212RN 15				3.298 (12+)	15
212RN 16				3.358 (14+)	16 7.4 NS 8
212RN 17				3.510	17
212RN 18				3.735	18
212RN 19				3.991 (15-)	19
212RN 20				3.998	20

212RN 21				4.067 (17-)	21 28.9 NS 14
212RN 22				4.135 (16-)	22
212RN 23				4.151	23

S-p	= 4.301	(0.004)	-----		
212RN 24				4.583 (17-)	24
212RN 25				5.115 (18-)	25
212RN 26				5.427 (20+)	26 5.2 NS 5
212RN 27				5.772 (19-)	27
212RN 28				6.167 (20+)	28
212RN 29				6167.4+X	29 109 NS 5
212RN 30				7135.2+X	30 18.0 NS 6

212RN 31				7870.9+X	31 14 NS 4
212RN 32				8571.0+X	32 154 NS 14
212RN 33				9687.6+X	33 4.9 NS 7
212RN 34				10612+X	34 20 NS AP

S-p = 4.301 (0.004)-----
S-n = 7.975 (0.007)-----
S-2p = 7.284 (0.003)-----
S-2n = 15.197 (0.006)-----
S-alpha= -6.385 (0.004)-----

S+p = -2.182 (0.006)
S+n = -5.108 (0.005)
S+2p = -5.826 (0.006)
S+2n = -11.803 (0.010)
S+alpha = 9.526 (0.009)

gap p = 2.119 (0.007)
gap n = 2.868 (0.009)
gap 2p = 1.458 (0.007)
gap 2n = 3.394 (0.011)
gap alpha = 3.140 (0.010)