

^{203}Rn $Z = 86$ $N = 117$ adopted link ENSDF link

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

BE = 1577.380 (0.006) MeV

Qbeta+ = 5.979 (0.012) MeV

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

S-alpha=	-6.630	(0.008)	-----		
203RN 1			0.000	3/2-	1 44.2 S 16
203RN 2	0.362	13/2+			2 26.9 S 5
203RN 3	0.860	17/2+			3
203RN 4	1.444	21/2+			4
203RN 5				1.495 (21/2+)	5
203RN 6				1.938 (25/2+)	6
203RN 7				2.055	7
203RN 8	2.098	25/2+			8
203RN 9				2.192	9
203RN 10				2.249 (29/2+)	10

203RN 11				2.425	11
203RN 12				2.513 (33/2+)	12
203RN 13				2.771 (27/2+)	13
S-p	= 2.878	(0.028)	-----		
203RN 14				2.909	14
203RN 15				3.111 (37/2+)	15
203RN 16				3.319	16
203RN 17				3.686 (41/2+)	17
203RN 18				4.116	18
S-2p	= 4.241	(0.008)	-----		
203RN 19				4.721	19

S-p	= 2.878	(0.028)	-----		
S-n	= 7.981	(0.018)	-----		
S-2p	= 4.241	(0.008)	-----		
S-2n	= 18.219	(0.012)	-----		
S-alpha=	-6.630	(0.008)	-----		

S+p	= -0.498	(0.025)	-----		
S+n	= -9.857	(0.009)	-----		
S+2p	= -2.590	(0.024)	-----		
S+2n	= -17.668	(0.008)	-----		
S+alpha	= 7.273	(0.059)	-----		

gap p	= 2.380	(0.038)	-----		
gap n	= -1.877	(0.021)	-----		
gap 2p	= 1.651	(0.025)	-----		

gap 2n = 0.551 (0.014)
gap alpha = 0.643 (0.059)