

^{202}Rn $Z = 86$ $N = 116$ adopted link ENSDF link

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

BE = 1569.399 (0.018) MeV

Qbeta+ = 4.320 (0.033) MeV

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

S-alpha=	-6.774	(0.025)	-----		
202RN 1	0.000	0+			1 9.7 S 1
202RN 2	0.504	2+			2
202RN 3				1.030 1,2,3	3
202RN 4	1.073	4+			4
202RN 5				1.502	5
202RN 6				1.698 (6+)	6
202RN 7	1.790	6+			7
202RN 8	2.078	8+			8
202RN 9				2.159 (8+)	9
202RN 10				2.211	10

202RN 11				2.260 (9-)	11
202RN 12				2.275 (8+)	12
202RN 13				2.443 (8+)	13
202RN 14				2.760 (10+)	14
S-p =	2.774	(0.019)	-----		
202RN 15				2.776	15

S-p = 2.774 (0.019)-----
S-n = 10.239 (0.020)-----
S-2p = 3.911 (0.019)-----
S-2n = 18.417 (0.018)-----
S-alpha= -6.774 (0.025)-----

S+p = -0.138 (0.019)
S+n = -7.981 (0.018)
S+2p = -2.242 (0.020)
S+2n = -17.838 (0.019)
S+alpha = 7.415 (0.025)

gap p = 2.636 (0.027)
gap n = 2.258 (0.027)
gap 2p = 1.669 (0.027)
gap 2n = 0.579 (0.027)
gap alpha = 0.642 (0.035)