

$^{202}\text{Rn}$        $Z = 86$        $N = 116$       [link to full NNDC output](#)

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

BE = 1569.399 ( 0.018) MeV

Qbeta+ = 4.316 ( 0.033) MeV

	Energy T	J+	J-	J-other	T1/2
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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
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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 = 10.274 ( 0.053)-----  
S-2p = 3.911 ( 0.019)-----  
S-2n = 18.412 ( 0.022)-----  
S-alpha= -6.774 ( 0.025)-----

S+p = -0.138 ( 0.019)  
S+n = -7.950 ( 0.025)  
S+2p = -2.247 ( 0.023)  
S+2n = -17.838 ( 0.019)  
S+alpha = 7.415 ( 0.025)

gap p = 2.636 ( 0.027)  
gap n = 2.323 ( 0.058)  
gap 2p = 1.664 ( 0.030)  
gap 2n = 0.574 ( 0.029)  
gap alpha = 0.641 ( 0.035)