

$^{200}\text{Rn}$        $Z = 86$        $N = 114$       [link to full NNDC output](#)

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

BE = 1550.986 ( 0.014) MeV

Qbeta+ = 4.983 ( 0.028) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-7.043 ( 0.019)				
200RN 1	0.000	0+			1 1.03 S +20-11
200RN 2	0.433	2+			2
200RN 3				0.936 (4+)	3
200RN 4				1.501 (6+)	4
200RN 5				1.776 (6+)	5
200RN 6				2.034 (8+)	6
200RN 7				2.114 (8+)	7
200RN 8				2.300 (9)	8
200RN 9				2300.5+X	9 25 US +11-6
S-p =	2.470 ( 0.015)				
200RN 10				2.554	10
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200RN 11				2.776	11

S-p = 2.470 ( 0.015)-----  
 S-n = 10.576 ( 0.040)-----  
 S-2p = 3.109 ( 0.022)-----  
 S-2n = 18.917 ( 0.019)-----  
 S-alpha= -7.043 ( 0.019)-----

S+p = 0.304 ( 0.016)  
 S+n = -8.139 ( 0.051)  
 S+2p = -1.498 ( 0.020)  
 S+2n = -18.412 ( 0.022)  
 S+alpha = 7.637 ( 0.020)

gap p = 2.775 ( 0.022)  
 gap n = 2.438 ( 0.065)  
 gap 2p = 1.611 ( 0.030)  
 gap 2n = 0.505 ( 0.029)  
 gap alpha = 0.593 ( 0.028)