

$^{217}\text{Rn}$        $Z = 86$        $N = 131$       adopted link      ENSDF link

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

BE = 1680.536 ( 0.004) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-7.887	( 0.005)	-----		
217RN 1	0.000	9/2+			1 0.54 MS 5
217RN 2				0.089 (11/2+)	2 1.5 NS LE
217RN 3				0.093 (7/2+)	3 4.0 NS 4
217RN 4	0.149	5/2+			4 1.5 NS LE
217RN 5				0.174 (7/2,9/2,11/2)+	5 1.5 NS LE
217RN 6				0.235 (3/2+)	6
217RN 7				0.375	7
217RN 8				0.382 (5/2+,7/2,9/2+)	8
217RN 9				0.475	9
217RN 10				0.570	10
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217RN 11				0.619	11

S-p = 5.887 ( 0.006)-----  
 S-n = 4.666 ( 0.007)-----  
 S-2p = 10.378 ( 0.005)-----  
 S-2n = 11.315 ( 0.007)-----  
 S-alpha= -7.887 ( 0.005)-----

S+p = -3.888 ( 0.006)  
 S+n = -6.512 ( 0.005)  
 S+2p = -8.843 ( 0.008)  
 S+2n = -10.972 ( 0.005)  
 S+alpha = 6.880 ( 0.006)

gap p = 1.999 ( 0.008)  
 gap n = -1.846 ( 0.009)  
 gap 2p = 1.535 ( 0.009)  
 gap 2n = 0.343 ( 0.009)  
 gap alpha = -1.007 ( 0.008)