

$^{212}\text{Ra}$        $Z = 88$        $N = 124$       [link to full NNDC output](#)

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

BE = 1642.472 ( 0.011) MeV

Qbeta+ = 3.317 ( 0.014) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-7.032	( 0.016)	-----		
212RA 1	0.000	0+			1 13.0 S 2
212RA 2	0.629	2+			2
212RA 3	1.454	4+			3
212RA 4	1.895	6+			4
212RA 5				1.958 (8)+	5 10.9 US 4
212RA 6				2.109 (8+)	6
212RA 7				2.577 (10+)	7
212RA 8				2.613 (11)-	8 0.85 US 13
212RA 9				3.122	9
S-p =	3.348	( 0.016)	-----		
212RA 10				3.404	10
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212RA 11				3.613	11
212RA 12				3.667	12
212RA 13				3.915	13
212RA 14				3.929	14

S-p = 3.348 ( 0.016)-----

S-n = 9.102 ( 0.014)-----

S-2p = 5.172 ( 0.012)-----

S-2n = 16.784 ( 0.015)-----

S-alpha= -7.032 ( 0.016)-----

S+p = -0.935 ( 0.019)

S+n = -7.527 ( 0.015)

S+2p = -3.684 ( 0.016)

S+2n = -15.851 ( 0.012)

S+alpha = 8.072 ( 0.017)

gap p = 2.412 ( 0.025)

gap n = 1.575 ( 0.020)

gap 2p = 1.488 ( 0.020)

gap 2n = 0.933 ( 0.019)

gap alpha = 1.041 ( 0.023)