

^{213}Ra $Z = 88$ $N = 125$ adopted link ENSDF link

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

BE = 1649.999 (0.010) MeV

Qbeta+ = 3.900 (0.011) MeV

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

S-alpha=	-6.862	(0.014)	-----		
213RA 1			0.000	1/2-	1 2.73 M 5
213RA 2				0.546 (5/2-)	2 21.5 PS 28
213RA 3				0.820 (3/2-)	3
213RA 4				1.609 (9/2-)	4
213RA 5				1.770 (13/2-)	5
213RA 6				1.770 (17/2-)	6 2.18 MS 5
213RA 7				2.287 (21/2-)	7
213RA 8				2.610 (23/2+)	8 18.7 NS 21
213RA 9				3.065 (25/2+)	9
213RA 10				3.137 (25/2-)	10

213RA 11				3.281 (25/2-)	11
213RA 12				3.340 (27/2+)	12
213RA 13				3.346 (25/2-)	13
S-p	=	3.427	(0.013)	-----	
213RA 14				3.433 (27/2-)	14
213RA 15				3.441 (29/2-)	15
213RA 16				3.864 (27/2+)	16
213RA 17				3.878 (29/2+)	17
213RA 18				4.007 (31/2+)	18
213RA 19				4.048 (33/2+)	19 34.7 NS 21

S-p	=	3.427	(0.013)	-----	
S-n	=	7.527	(0.014)	-----	
S-2p	=	5.477	(0.012)	-----	
S-2n	=	16.629	(0.011)	-----	
S-alpha=	=	-6.862	(0.014)	-----	
S+p	=	-1.201	(0.017)		
S+n	=	-8.324	(0.011)		
S+2p	=	-4.002	(0.012)		
S+2n	=	-13.956	(0.012)		
S+alpha	=	9.435	(0.014)		
gap p	=	2.226	(0.021)		
gap n	=	-0.797	(0.018)		
gap 2p	=	1.475	(0.017)		
gap 2n	=	2.673	(0.016)		

gap alpha = 2.574 (0.020)