

^{214}Ra $Z = 88$ $N = 126$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 1658.323 (0.005) MeV

Qbeta+ = 1.051 (0.010) MeV

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

S-alpha=	-7.273	(0.007)	-----					

214RA 1	0.000	0+					1	2.438 S 20
214RA 2	1.382	2+					2	
214RA 3	1.639	4+					3	35.1 NS 3
214RA 4	1.820	6+					4	118 NS 7
214RA 5	1.865	8+					5	67.8 US 15
214RA 6	2.074	8+					6	
214RA 7				2.683	11-		7	295 NS 7
214RA 8	2.944	10+					8	
214RA 9	3.256	12+					9	
214RA 10	3.329	12+					10	

214RA 11	3.478	14+					11	279 NS 4
S-p =	3.642	(0.007)	-----					

214RA 12				3.771	13-		12	
214RA 13	3.850	14+					13	
214RA 14				3.990	15-		14	3.6 NS 2
214RA 15				4.147	17-		15	225 NS 4
214RA 16				4.170	15-		16	
214RA 17	4.237	16+					17	
214RA 18				4.377	(16-)		18	
214RA 19				4.402	17-		19	
214RA 20	4.618	16+					20	

214RA 21	4.810	18+					21	0.76 NS 21
214RA 22				4.922	19-		22	
214RA 23				4.931	17-		23	
214RA 24				4.984	18-		24	
214RA 25				5.180	19-		25	
214RA 26	5.244	20+					26	
214RA 27				5.390	21-		27	1.5 NS 3
214RA 28				5.462	(20)-		28	
S-2p =	5.826	(0.006)	-----					

214RA 29				5.948	(21)-		29	
214RA 30				6.030	22-		30	

214RA 31	6.057	22+					31	
214RA 32						6.118 (21,22)	32	
214RA 33	6.290	22+					33	

214RA 34						6.305 (22)	34		
214RA 35						6.479 (22)	35		
214RA 36		6.482	23+				36		
214RA 37		6.530	(24+)				37	1.6 NS	3
214RA 38						6.565 (23,24)+	38		
214RA 39					6.577 (25-)		39	128 NS	4
214RA 40					6.613 23-		40		

214RA 41						6.660	41		
214RA 42						6.766 (22+,23+)	42		
214RA 43						6.930 (24+,25+)	43		
214RA 44						6.937	44		
214RA 45						7.016	45		
214RA 46						7.118 (25-,26-)	46		
214RA 47						7.243	47		
214RA 48						7.302	48		
214RA 49						7.394	49		
214RA 50						7.542	50		

214RA 51						7.870 (24)	51		

S-p = 3.642 (0.007) -----
S-n = 8.324 (0.011) -----
S-2p = 5.826 (0.006) -----
S-2n = 15.851 (0.012) -----
S-alpha= -7.273 (0.007) -----

S+p = -1.351 (0.013)
S+n = -5.632 (0.009)
S+2p = -4.372 (0.012)
S+2n = -12.944 (0.010)
S+alpha = 9.849 (0.012)

gap p = 2.291 (0.015)
gap n = 2.692 (0.014)
gap 2p = 1.454 (0.014)
gap 2n = 2.907 (0.015)
gap alpha = 2.576 (0.014)