

$^{214}\text{Ra}$        $Z = 88$        $N = 126$       [link to full NNDC output](#)

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

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 2.46 S 3
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 67.3 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
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214RA 11	3.478	14+			11 279 NS 4
S-p	= 3.644	( 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
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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	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+						38
214RA 39						6.577	(25-)		39 128 NS 4
214RA 40					6.613 23-				40
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214RA 41						6.660			41
214RA 42						6.766	(+)		42
214RA 43						6.929	(24+)		43
214RA 44						6.937			44
214RA 45						7.016			45
214RA 46						7.118	(-)		46
214RA 47						7.243			47
214RA 48						7.302			48
214RA 49						7.394			49
214RA 50						7.542			50
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214RA 51						7.870	(24+)		51

S-p = 3.644 ( 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 ( 0.014)  
S+n = -5.630 ( 0.009)  
S+2p = -4.372 ( 0.013)  
S+2n = -12.944 ( 0.010)  
S+alpha = 9.849 ( 0.012)

gap p = 2.292 ( 0.015)  
gap n = 2.694 ( 0.014)  
gap 2p = 1.453 ( 0.015)  
gap 2n = 2.907 ( 0.016)  
gap alpha = 2.576 ( 0.014)