

^{210}Ra $Z = 88$ $N = 122$ adopted link ENSDF link

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

BE = 1625.687 (0.009) MeV

Qbeta+ = 3.786 (0.016) MeV

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

S-alpha=	-7.151 (0.013)	-----			

210RA 1	0.000	0+			1 3.7 S 2
210RA 2	0.604	2+			2
210RA 3	1.205	4+			3
210RA 4	1.378	4+			4
210RA 5	1.955	6+			5
210RA 6	2.051	8+			6 2.1 US 1
210RA 7	2.268	(9+)			7
210RA 8	2.575	(10+)			8

S-p =	3.064 (0.015)	-----			
210RA 9	3.093	(12+)			9
210RA 10	3.263	(12+)			10

210RA 11	3.898	(14+)			11
210RA 12	4.257	(16+)			12

S-p = 3.064 (0.015) -----
S-n = 9.487 (0.011) -----
S-2p = 4.480 (0.014) -----
S-2n = 17.428 (0.013) -----
S-alpha= -7.151 (0.013) -----

S+p = -0.588 (0.055)
S+n = -7.682 (0.010)
S+2p = -2.910 (0.014)
S+2n = -16.784 (0.014)
S+alpha = 7.827 (0.014)

gap p = 2.475 (0.056)
gap n = 1.804 (0.015)
gap 2p = 1.570 (0.019)
gap 2n = 0.643 (0.019)
gap alpha = 0.676 (0.019)