

^{208}Ra $Z = 88$ $N = 120$ [link to full NNDC output](#)

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

BE = 1608.260 (0.009) MeV

Qbeta+ = 4.394 (0.015) MeV

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

S-alpha=	-7.273 (0.012)	-----			
208RA 1	0.000	0+			1 1.3 S 2
208RA 2				0.520 (2+)	2
208RA 3				1.094 (4+)	3
208RA 4				1.468 (4+)	4
208RA 5				1.755 (6+)	5
208RA 6				2.017 (6+)	6
208RA 7				2.147 (8+)	7 270 NS 21

S-p = 2.717 (0.020)-----

S-n = 9.888 (0.054)-----

S-2p = 3.717 (0.012)-----

S-2n = 17.980 (0.020)-----

S-alpha= -7.273 (0.012)-----

S+p = -0.173 (0.051)

S+n = -7.941 (0.011)

S+2p = -2.246 (0.021)

S+2n = -17.428 (0.013)

S+alpha = 7.958 (0.014)

gap p = 2.543 (0.055)

gap n = 1.947 (0.055)

gap 2p = 1.471 (0.024)

gap 2n = 0.552 (0.024)

gap alpha = 0.685 (0.018)