

^{113}Ru $Z = 44$ $N = 69$ adopted link ENSDF link

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

BE = 949.503 (0.038) MeV

Qbeta- = 6.899 (0.039) MeV

	Energy T	J+	J-	J-other	T1/2
113RU	1			0.000 (1/2+)	1 0.80 S 5
113RU	2			0.098 (3/2+)	2
113RU	3			0.164 (5/2+)	3
113RU	4			0.295 (5/2+,7/2+)	4
113RU	5			0.434	5
113RU	6			0.688	6
113RU	7			0.963	7
113RU	8			1.619	8

S-p = 13.898 (0.039)-----

S-n = 4.308 (0.039)-----

S-2p = 26.506 (0.040)-----

S-2n = 11.225 (0.039)-----

S-alpha= 7.633 (0.040)-----

S+p = -11.132 (0.081)

S+n = -6.425 (0.038)

S+2p = -23.136 (0.041)

S+2n = -10.380 (0.046)

S+alpha = -6.981 (0.039)

gap p = 2.766 (0.090)

gap n = -2.117 (0.055)

gap 2p = 3.370 (0.057)

gap 2n = 0.845 (0.060)

gap alpha = 0.652 (0.056)