

^{116}Ru $Z = 44$ $N = 72$ adopted link ENSDF link

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

BE = 965.919 (0.004) MeV

Qbeta- = 6.667 (0.074) MeV

	Energy T	J+	J-	J-other	T1/2
116RU 1	0.000	0+			1 204 MS 6
116RU 2				0.292 (2+)	2
116RU 3				0.614 (2+)	3
116RU 4				0.760 (4+)	4
116RU 5				0.911 (3+)	5
116RU 6				1.150 (4+)	6
116RU 7				1.376 (6+)	7
116RU 8				1.468 (5+)	8
116RU 9				1.477 (4+)	9
116RU 10				1.503	10
116RU 11				1.761	11
116RU 12				1.837 (6+)	12
116RU 13				1.850	13
116RU 14				1.867 (5+)	14
116RU 15				2.166	15

S-p = 15.559 (0.230)-----

S-n = 6.035 (0.025)-----

S-2p = 28.953 (0.342)-----

S-2n = 9.990 (0.005)-----

S-alpha= 9.031 (0.224)-----

S+p = -12.117 (0.010)

S+n = -3.492 (0.433)

S+2p = -25.897 (0.004)

S+2n = -9.115 (0.236)

S+alpha = -8.636 (0.004)

gap p = 3.442 (0.230)

gap n = 2.543 (0.434)

gap 2p = 3.055 (0.342)

gap 2n = 0.875 (0.236)

gap alpha = 0.395 (0.224)