

$^{118}\text{Ru}$        $Z = 44$        $N = 74$       adopted link      ENSDF link

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

BE = 975.034 (-0.236) MeV

Qbeta- = 7.845 ( 0.237) MeV

	Energy T	J+	J-	J-other	T1/2
118RU	1   0.000	0+			1 99 MS 3
118RU	2			0.328 (2+)	2
118RU	3			0.648 (2+)	3
118RU	4			0.810 (4+)	4
118RU	5			0.921 (3+)	5
118RU	6			1.181 (4+)	6
118RU	7			1.416 (6+)	7

S-p = 16.219 (-0.423)-----

S-n = 5.623 (-0.493)-----

S-2p = 30.446 (-0.521)-----

S-2n = 9.115 (-0.236)-----

S-alpha= 9.772 (-0.416)-----

S+p = -13.070 (-0.236)

S+n = -3.146 (-0.428)

S+2p = -27.816 (-0.236)

S+2n = -8.846 (-0.430)

S+alpha = -9.999 (-0.237)

gap p = 3.149 ( 0.484)

gap n = 2.477 ( 0.653)

gap 2p = 2.630 ( 0.572)

gap 2n = 0.269 ( 0.491)

gap alpha = -0.227 ( 0.478)