

$^{123}\text{Ru}$        $Z = 44$        $N = 79$       adopted link      ENSDF link

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

BE = 994.947 (-0.492) MeV

Qbeta- = 12.590 ( 0.615) MeV

	Energy T	J+	J-	J-other	T1/2
123RU	1			0.000	1 19 MS 2

S-p = 17.605 (-0.549)-----  
 S-n = 2.843 (-0.693)-----  
 S-2p = 0.000 (-0.000)-----  
 S-2n = 8.071 (-0.611)-----  
 S-alpha= 12.390 (-0.608)-----

S+p = -15.405 (-0.617)  
 S+n = -5.113 (-0.791)  
 S+2p = -31.928 (-0.619)  
 S+2n = -7.928 (-0.552)  
 S+alpha = -13.077 (-0.707)

gap p = 2.200 ( 0.826)  
 gap n = -2.270 ( 1.052)  
 gap 2p = 0.000 ( 0.000)  
 gap 2n = 0.143 ( 0.824)  
 gap alpha = -0.687 ( 0.933)