

^{94}Ru $Z = 44$ $N = 50$ adopted link ENSDF link

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

BE = 806.864 (0.003) MeV

Qbeta+ = 1.575 (0.005) MeV

	Energy T	J+	J-	J-other	T1/2
94RU 1	0.000	0+			1 51.8 M 6
94RU 2	1.431	2+			2
94RU 3	2.187	4+			3
94RU 4	2.498	6+			4 65 NS 2
94RU 5				2.503 (3,4,5)	5
94RU 6			2.624 5-		6 0.51 NS 5
94RU 7	2.644	8+			7 71 US 4
94RU 8				2.965 (3-)	8
94RU 9	2.995	0+			9
94RU 10				3.117 (3,4,5)	10
94RU 11				3.177 (3,4,5)	11
94RU 12				3.255 (3,4,5)	12
94RU 13				3.520	13
94RU 14	3.615	0+			14
94RU 15				3.658 (7-)	15
94RU 16	3.770	0+			16
94RU 17				3.820	17
94RU 18				3.930 (8+)	18
94RU 19				3.991 (10)+	19 3.47 PS LT
94RU 20				4.000	20
94RU 21				4.197 (9)-	21
94RU 22				4.339 (9)-	22
94RU 23				4.489 (11)-	23 0.760 NS 35
94RU 24				4.717 (12)+	24 23.8 PS 11
S-alpha=	4.836 (0.005)				
94RU 25				5.568 (13)-	25 2.01 PS 22
S-p =	6.266 (0.003)				
94RU 26				6.275 (12+)	26
94RU 27				6.358 (12+)	27
94RU 28				6.614 (13)+	28 0.87 PS 12
94RU 29				6.919 (13-)	29
94RU 30				7.158 (14)+	30 0.33 PS 4
94RU 31				7.768 (13)-	31
94RU 32				7.773 (15)+	32 0.28 PS LT
94RU 33				7.910 (15+)	33
94RU 34				7.970 (14)-	34
94RU 35				8.039 (14+)	35

94RU 36				8.133	(15)-	36			
94RU 37				8.152	(14)-	37			
94RU 38				8.272	(14)-	38	0.291	PS	28
94RU 39				8.411	(16)+	39	0.69	PS	LT
94RU 40				8.502	(15)-	40	1.28	PS	8

94RU 41				8.737	(15)-	41			
94RU 42				8.853	(15)-	42			
94RU 43				8.997	(16)-	43	0.69	PS	LT
94RU 44				9.042	(17)+	44	1.4	PS	LT
94RU 45				9.135	(16)-	45			
94RU 46				9.254	(17)-	46			
94RU 47				9.464	(16-)	47			
94RU 48				9.527	(18)+	48	0.360	PS	21
94RU 49				9.789	(17)-	49			
94RU 50				9.921	(19)+	50	3.4	PS	LT

94RU 51				9.929	(18)-	51	3.49	PS	24

S-p = 6.266 (0.003)-----
S-n = 13.438 (0.004)-----
S-2p = 10.353 (0.003)-----
S-2n = 24.425 (0.004)-----
S-alpha= 4.836 (0.005)-----

S+p = -3.046 (0.005)
S+n = -8.945 (0.010)
S+2p = -8.178 (0.005)
S+2n = -19.639 (0.003)
S+alpha = -1.162 (0.006)

gap p = 3.220 (0.006)
gap n = 4.493 (0.011)
gap 2p = 2.175 (0.006)
gap 2n = 4.786 (0.005)
gap alpha = 3.674 (0.007)