

^{95}Ru $Z = 44$ $N = 51$ adopted link ENSDF link

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

BE = 815.810 (0.009) MeV

Qbeta+ = 2.564 (0.011) MeV

	Energy T	J+	J-	J-other	T1/2
95RU 1	0.000	5/2+			1 1.643 H 13
95RU 2	0.788	1/2+			2
95RU 3				0.890	3
95RU 4				0.942 7/2(+)	4
95RU 5				1.141 3/2+,5/2+	5
95RU 6	1.352	9/2+			6
95RU 7				1.495 (7/2,9/2)	7
95RU 8				1.524 (7/2,9/2)	8
95RU 9				1.925 (7/2,9/2)	9
95RU 10	2.030	13/2+			10
95RU 11				2.068 (11/2+)	11
95RU 12	2.117	9/2+			12
95RU 13				2.156 (7/2,9/2)	13
95RU 14	2.247	11/2+			14 240 PS 21
95RU 15				2.259 (9/2,11/2)+	15
95RU 16				2.268 (7/2,9/2)	16
95RU 17	2.284	17/2+			17 3.05 NS 28
95RU 18	2.294	9/2+			18
95RU 19				2.431 (9/2,11/2)+	19
95RU 20				2.450 (11/2-)	20
95RU 21			2.493 13/2-		21 0.60 NS 4
95RU 22	2.538	21/2+			22 10.05 NS 14
95RU 23				2.575	23
95RU 24				2.691 (9/2,11/2)	24
95RU 25				2.696 (9/2)	25
95RU 26				2.713 1/2-,3/2-	26
95RU 27			2.774 15/2-		27 6.93 PS 6
95RU 28				2.902 (7/2,9/2,11/2)+	28
95RU 29				2.999	29
95RU 30				3.063 (7/2,9/2)+	30
95RU 31				3.164 (7/2,9/2)+	31
95RU 32				3.186 (3/2)-	32
95RU 33				3.214 1/2-,3/2-	33
95RU 34				3.363 (19/2+)	34
95RU 35				3.383 9/2+,7/2+	35
95RU 36				3.407 (3/2)-	36
95RU 37				3.478 (17/2-)	37 5.5 PS 6

95RU	38				3.551	(7/2,9/2)+	38		
95RU	39				3.656	(7/2,9/2,11/2)+	39		
S-alpha= 3.674 (0.011)-----									
95RU	40				3.687	(7/2,9/2)+	40		

95RU	41				3.702	(19/2-)	41	2.1 PS	LT
95RU	42				3.734	(7/2,9/2)+	42		
95RU	43				3.744	(9/2,11/2)+	43		
95RU	44				3.779	(9/2)+	44		
95RU	45				3.825	(3/2)-	45		
95RU	46				3.830	25/2(+)	46	1.5 PS	LT
95RU	47				3.976	(7/2,9/2,11/2)+	47		
95RU	48				3.984	(7/2,9/2)+	48		
95RU	49				3.986	(21/2-)	49	8.9 PS	10
95RU	50				4.178	(7/2,9/2)+	50		

95RU	51				4.193	(23/2-)	51	5.68 PS	28
95RU	52				4.503	(29/2+)	52	11.0 PS	7
95RU	53				4.506	(25/2-)	53	3.19 PS	21
95RU	54				4.745	(27/2-)	54	2.91 PS	28
95RU	55				5.617	(29/2-)	55	1.59 PS	21
95RU	56		5.774	31/2-			56	2.63 PS	28

S-p = 6.588 (0.010)-----									
95RU	57				6.644	(31/2+,33/2+)	57	4.2 PS	LE
95RU	58				6.778	(31/2+,33/2+)	58	6.9 PS	LE
95RU	59				6.825	(33/2+,35/2+)	59	4.9 PS	LE
95RU	60				7.064	(33/2-,35/2-)	60	1.4 PS	LE

95RU	61				7.527	(33/2-,35/2-)	61	7.6 PS	LE
95RU	62				7.530	(35/2+,37/2+)	62	4.9 PS	LE
95RU	63				7.682	(35/2-)	63	2.8 PS	LE
95RU	64				7.762		64		
95RU	65				8.104	(37/2+,39/2+)	65	5.5 PS	LE
95RU	66				8.137		66		
95RU	67				8.309	(35/2-)	67	1.4 PS	LE
95RU	68				8.703	(39/2+,41/2+)	68	6.2 PS	LE
95RU	69				8.735		69		
95RU	70				8.849	(39/2+,41/2+)	70	5.5 PS	LE

S-n = 8.945 (0.010)-----									
95RU	71				9.342	(41/2+,43/2+)	71	6.9 PS	LE

S-p = 6.588 (0.010)-----									
S-n = 8.945 (0.010)-----									
S-2p = 11.229 (0.010)-----									
S-2n = 22.384 (0.010)-----									
S-alpha= 3.674 (0.011)-----									

S+p = -3.519 (0.014)									

S+n = -10.694 (0.010)
S+2p = -8.926 (0.011)
S+2n = -18.805 (0.010)
S+alpha = -1.150 (0.011)

gap p = 3.069 (0.017)
gap n = -1.748 (0.014)
gap 2p = 2.303 (0.014)
gap 2n = 3.578 (0.014)
gap alpha = 2.524 (0.016)