

^{93}Ru $Z = 44$ $N = 49$ adopted link ENSDF link

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

BE = 793.426 (0.002) MeV

Qbeta+ = 6.389 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
93RU 1				0.000 (9/2)+	1 59.7 S 6
93RU 2				0.734 (1/2)-	2 10.8 S 3
93RU 3				1.359	3
93RU 4				1.392 (13/2)+	4
93RU 5				1.630	5
93RU 6				1.842	6
93RU 7				1.936 (17/2)+	7
93RU 8				2.082 (21/2)+	8 2.49 US 15
93RU 9				2.113 (15/2+)	9
93RU 10				2.129 (17/2+)	10
93RU 11				2.274	11
93RU 12				2.280 (17/2-)	12 35 NS 4
93RU 13				2.713 (19/2-)	13
93RU 14				2.734 (23/2+)	14
93RU 15				3.121 (25/2+)	15
93RU 16				3.240 (21/2-)	16
93RU 17				3.375 (25/2+)	17
93RU 18				3.723 (25/2-)	18
93RU 19				4.022 (27/2+)	19
93RU 20				4.237 (27/2-)	20
93RU 21				4.500 (29/2+)	21
S-alpha=	4.627 (0.004)				
93RU 22				4.787 (29/2-)	22
93RU 23				4.850 (31/2-)	23
93RU 24				5.272 (31/2+)	24
93RU 25				5.343 (33/2+)	25
S-p	5.580 (0.004)				
93RU 26				5.971 (35/2-)	26
93RU 27				6.377 (33/2+)	27
93RU 28				7.850 (37/2+)	28
93RU 29				7.865 (35/2+,37/2+)	29
93RU 30				7.981 (37/2+)	30
93RU 31				8.204 (39/2-)	31
93RU 32				8.331 (37/2-,39/2-)	32
93RU 33				8.464 (39/2+)	33
93RU 34				8.736 (39/2+)	34
93RU 35				8.962 (37/2-)	35

93RU	36				9.146	(39/2+,41/2+)	36
93RU	37				9.426	(39/2-)	37
S-2p	=	9.586	(0.007)	-----			
93RU	38				9.637	(39/2-)	38
93RU	39				9.694	(41/2+ TO 45/2+)	39

S-p	=	5.580	(0.004)	-----			
S-n	=	10.987	(0.003)	-----			
S-2p	=	9.586	(0.007)	-----			
S-2n	=	25.120	(0.003)	-----			
S-alpha	=	4.627	(0.004)	-----			

S+p	=	-2.980	(0.004)
S+n	=	-13.438	(0.004)
S+2p	=	-7.327	(0.004)
S+2n	=	-22.384	(0.010)
S+alpha	=	-3.014	(0.005)

gap p	=	2.600	(0.005)
gap n	=	-2.451	(0.005)
gap 2p	=	2.259	(0.008)
gap 2n	=	2.736	(0.010)
gap alpha	=	1.613	(0.007)