

^{108}Ru $Z = 44$ $N = 64$ adopted link ENSDF link

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

BE = 920.940 (0.009) MeV

Qbeta- = 1.370 (0.016) MeV

	Energy T	J+	J-	J-other	T1/2
108RU 1	0.000	0+			1 4.55 M 5
108RU 2	0.242	2+			2 0.36 NS 3
108RU 3	0.665	4+			3 13.4 PS 10
108RU 4				0.708 2(+)	4 0.10 NS 7
108RU 5				0.975 (3+)	5
108RU 6				0.976 (0+)	6
108RU 7				1.183 (4+)	7
108RU 8				1.219	8
108RU 9	1.241	6+			9
108RU 10				1.249 (2+)	10 0.41 NS 27
108RU 11				1.486	11
108RU 12				1.496 (5+)	12
108RU 13				1.644 (4+)	13
108RU 14				1.741	14
108RU 15				1.762 (6+)	15
108RU 16				1.826 (5+)	16
108RU 17	1.942	8+			17
108RU 18				1.973	18
108RU 19				2.003	19
108RU 20				2.111 (5-)	20
108RU 21				2.125 1,2,3	21
108RU 22				2.133 (7+)	22
108RU 23				2.273 (6-)	23
108RU 24				2.352	24
108RU 25				2.420 (8+)	25
108RU 26				2.473 (7-)	26
108RU 27				2.716 (8-)	27
108RU 28				2.731	28
108RU 29	2.740	10+			29
108RU 30				2.844 (9+)	30
108RU 31				2.863	31
108RU 32				2.925	32
108RU 33				2.985 (9-)	33
108RU 34				3.098	34
108RU 35				3.150 (10+)	35
108RU 36				3.294 (10-)	36
108RU 37	3.529	12+			37

108RU	38						3.556	(11-)	38
108RU	39						3.569	(11+)	39
108RU	40						3.982	(12-)	40

108RU	41						4.194	(13-)	41
108RU	42		4.291	14+					42
108RU	43						4.310	(13+)	43
108RU	44						4.774	(14-)	44
108RU	45						4.947	(15-)	45
108RU	46		5.154	16+					46
S-p	=	12.201	(0.012)	-----					
S-n	=	7.870	(0.012)	-----					
S-2p	=	22.111	(0.013)	-----					
S-2n	=	13.481	(0.010)	-----					
S-alpha	=	5.743	(0.012)	-----					
S+p	=	-8.627	(0.010)						
S+n	=	-5.148	(0.012)						
S+2p	=	-19.247	(0.009)						
S+2n	=	-12.554	(0.012)						
S+alpha	=	-5.085	(0.011)						
gap p	=	3.574	(0.016)						
gap n	=	2.722	(0.017)						
gap 2p	=	2.864	(0.015)						
gap 2n	=	0.927	(0.016)						
gap alpha	=	0.658	(0.017)						