

3rd OMU workshop “Probes of exotic nuclear structure”

Supported by DST-JSPS bilateral program and NITEP

Date: 2025.2.10

Place: F202, Faculty of Science, Sugimoto Campus, Osaka Metropolitan Univ.

		Presenter	Affiliation	Title
9:30	9:35			Opening
9:35	10:05	Shubhchintak	Punjab U	Nuclear reactions: From the heart of the matter to the fuel of the stars
10:05	10:35	Jinti Barman	IIT Roorkee	Structural Effects of Light and Medium Mass Exotic Nuclei on Elemental Abundances in Explosive Nucleosynthesis
10:35	10:50	Break		
10:50	11:20	Takashi Nakamura	Sci. Tokyo	Coulomb breakup of halo nuclei- new results and remaining issues
11:20	11:50	Yasutaka Taniguchi	Fukuyama U	Puzzle of the extremely large α -knockout cross section in ^{48}Ti
11:50	12:10	Rong-Jun Liu	OMU	Spin dynamics in intermediate-energy heavy-ion collisions with rigorous angular momentum conservation
12:10	13:30	Lunch break		
13:30	14:00	Masaaki Kimura	RIKEN	GCM calculations for the bound, resonant and scattering states
14:00	14:30	Ranojit Barman	RIKEN/IITR	Role of nuclear density profiles in estimating nuclear structure in the island of inversion
14:30	15:00	Hiroshi Masui	Kitami IT	Continuum contribution and NN-correlation in unstable nuclear systems
15:00	15:20	Break		
15:20	15:50	Naoyuki Itagaki	OMU	Exotic cluster structure around the neutron dripline
15:50	16:20	Wataru Horiuchi	OMU	Possible halo structure in neutron-rich Ca isotopes
16:20				Closing & Free discussion