

Reimei Workshop "Recent advances on nuclear shells, clusters, correlations and their knockout reaction observables"

Date: January 8-10, 2025

Venue: Technische Universität Darmstadt (room 134, S2/15 building)

Scientific program

Time	presentation	8th (Wed.)
10:30	0:10	Opening address
10:40	0:30	Alexandre Obertelli "TBA"
11:10	0:30	Alexandra Stefanescu "STRASSE: an advanced detection system for QFS studies at RIKEN"
11:40	1:50	Lunch break
13:30	0:30	Kathrin Wimmer "TBA"
14:00	0:30	Radostina Zidarova "Spectroscopy of neutron-rich Sc isotopes"
14:30	0:30	Yutaka Utsuno "Single-particle vs. collective properties in neutron-rich Cd and In isotopes"
15:00	0:20	Break
15:20	0:30	Madalina Enciu "The size of neutron and proton single-particle orbitals in the neutron-rich calcium isotopes"
15:50	0:30	Kazuyuki Ogata "Description of knockout reactions for rigid, fragile, and unbound particles"
Time	presentation	9th (Thur.)
10:00	0:30	Shoya Ogawa "Theoretical description of knockout reactions with three-body model"
10:30	0:30	Mario Gomez Ramos "Two-proton removal (p,3p) reactions on medium-mass nuclei"
11:00	0:20	Break
11:20	0:30	Yuki Kubota "Probing two-particle correlation using knockout reactions"
11:50	0:30	Christina Xanthopoulou "One and two proton removal from neutron-rich nuclei: A comparative study in the region of ^{52}Ca "
12:20	1:40	Lunch break
14:00	0:30	Alexander Tichai "Ab initio pathway to deformed nuclei"
14:30	0:30	Takayuki Miyagi "TBA"
15:00	0:20	Break
15:20	0:30	Andrea Porro "Constraining the incompressibility from the monopole strength"
15:50	0:30	Lukas Ponnath "Constraining the density-dependence of the symmetry energy by cross section measurements at R3B"
16:20		Free discussion
Time	presentation	10th (Fri.)
10:00	0:30	Carlo Barbieri "Recent advances in Green's function theory for nuclei, and implications for elastic scattering"
10:30	0:30	Valerii Panin "Experimental Signatures of the Impulse Approximation for QFS Reactions in Inverse Kinematics"
11:00	0:30	Zhen Li "Ab initio calculations of beta-decay half-lives for N=50 neutron-rich nuclei"
11:30	0:30	Kazuki Yoshida "Recent progress in alpha knockout reaction"
12:00	0:10	Closing
12:10		Lunch break and free discussion