



# India-JINR Workshop on Particle, Nuclear, Neutrino Physics and Astrophysics

Monday, 10 November 2025

**Nuclear reactions and structure - Lecture Hall 2 (LH 2) (14:30 - 16:00)**

-Conveners: Asim Pal

time	[id] title	presenter
14:30	[3] Microscopic theory for fission fragment yields	Prof. SADHUKHAN, Jhilmam
15:00	[9] Exploring Break-Up Fusion Dynamics: From Low-Energy Systematics to the TREQIS $^{36}\text{Ar} + ^{48}\text{Ca}$ Experiment	Prof. SINGH, Bhanu Prakash
15:20	[10] Experimental Investigation of Interaction Mechanisms in the Reactions with Heavy Ions	Prof. BOGACHEV, Alexey
15:40	[11] An overview of experimental studies on low energy reaction dynamics in light and heavy ion Collisions	Prof. SHARMA, Manoj Kumar

# Tuesday, 11 November 2025

## Nuclear reactions and structure (14:30 - 16:00)

-Conveners: Jhilam Sadhukhan

time	[id] title	presenter
14:30	[28] Nuclear Reaction Channels in Heavy Ion Collisions	Prof. NASIROV, Avazbek
15:00	[59] Study of the fusion-fission and quasifission reaction processes using CORSET spectrometer	Dr DEY, Aniruddha
15:20	[30] GRAND and SHELS facilities: performance and experimental results	Mrs KUZNETSOVA, Alena
15:40	[31] Experimental study of multinucleon transfer reactions in the interaction of heavy nuclei at CORSET setup	Mr VOROBYEV, Igor

## Nuclear reactions and structure (16:30 - 17:10)

-Conveners: Anagha Chakraborty

time	[id] title	presenter
16:30	[32] The Giant Monopole Resonance in Super Heavy Nuclei	Dr SINGH, Shailesh Kumar
16:50	[33] Systematic studies to produce heavy above-target nuclides in multinucleon transfer reactions	Dr MALLIGENAHALLI, Devaraja H

# Wednesday, 12 November 2025

## Nuclear reactions and structure - LH 2 (14:30 - 16:00)

-Conveners: Tilak Kumar Ghosh

time	[id] title	presenter
14:30	[53] DURGA: a novel facility in India to carry out nuclear structure research using thermal neutron beam and a digital hybrid gamma detector array	Dr MUKHOPADHYAY, Somsundar
15:00	[54] Technical advancements at FRENA- India's first nuclear astrophysics accelerator	Prof. BANERJEE, Akashrup
15:20	[55] Fusion fission dynamics with $^{40}\text{Ar}$ beam	Prof. SEN, Arijit
15:40	[56] Structure and decay properties of the Hoyle state	Mr BAISHYA, Abhijit

## Nuclear reactions and structure - LH 2 (16:15 - 17:15)

-Conveners: Subir Nath

time	[id] title	presenter
16:15	[57] Heavy-ion induced Fission studies using a large array of detectors	Prof. NEDUMBALLY, Saneesh
16:35	[58] Fission Fragment Spectroscopy using loosely and tightly bound projectiles	Prof. CHAKRABORTY, Anagha
16:55	[29] Probing nuclear matter through intermediate energy heavy-ion reactions	Dr MALLIK, Swagata