

Session Program

28-30 Sept 2026



32nd Nuclear Physics Workshop 2026

Session 2

D-332

Instytut Fizyki UMCS pl. M. Curie-Skłodowskiej 1 20-031 Lublin

Monday 28 September

15:00

Session 2: Monday evening

Session | **Location:** D-332, Instytut Fizyki UMCS pl. M. Curie-Skłodowskiej 1 20-031 Lublin

15:00–15:30

Impact of Dynamic Shell Evolution on Fusion Dynamics in Superheavy Element Synthesis

Speaker

Yoshihiro Aritomo

15:30–16:00

Superfluid Dynamics in Nuclear Collisions: Selected Aspects

Speaker

Piotr Magierski

16:00–16:30

Microscopic description of spontaneous fission in superheavy elements including tensor correlations

Speaker

Rayner Rodriguez-Guzman

16:30–17:00

Coffee break

17:00–17:20

Revisiting pxn and axn channels in heavy and superheavy nuclei synthesis

Speaker

Tomasz Cap

17:20–17:40

Mass asymmetry impact on the fusion hindrance within 6-dimensional Langevin dynamics

Speaker

Yannen Jaganathan

17:40–18:00

Systematic study of superheavy nuclei within a microscopic collective Hamiltonian: Impact of quantum shape fluctuations

Speaker

Rongyan Hu

18:00–18:20

Neck constraint: a useful tool in the description of fission

Speaker

Hemant Sharma

18:20–18:40

Flatness of Landscape near the "Island of Stability" of Superheavy Nuclei

Speaker

Yi-Ming Jiang

18:40