

Zimanyi Winter School

Report of Contributions

Contribution ID: 1

Type: **not specified**

Physics and Beyond with József Zimányi

Monday, 1 December 2025 08:50 (20 minutes)

Presenters: BIRO, Tamas (KFKI RMKI); BIRO, Tamas Sandor (MTA Wigner RCP)

Session Classification: Zimányi József in memoriam and experimental highlights

Contribution ID: 2

Type: **not specified**

József Zimányi in-memoriám

Monday, 1 December 2025 09:10 (20 minutes)

Presenters: LEVAI, Peter (Hungarian Academy of Sciences (HU)); LEVAI, Peter (HUN-REN Wigner Research Centre for Physics (HU))

Session Classification: Zimányi József in memoriam and experimental highlights

Contribution ID: 3

Type: **not specified**

Quark clustering and chemical freezeout

Monday, 1 December 2025 09:30 (30 minutes)

Presenter: BLASCHKE, David

Session Classification: Zimányi József in memoriam and experimental highlights

Contribution ID: 4

Type: **not specified**

Overview of STAR results

Monday, 1 December 2025 10:00 (30 minutes)

Presenters: Dr TRZECIAK, Barbara Antonina (Czech Technical University in Prague); TRZECIAK, Barbara (Czech Technical University in Prague)

Session Classification: Zimányi József in memoriam and experimental highlights

Contribution ID: 5

Type: **not specified**

ALICE Overview on recent results

Monday, 1 December 2025 11:00 (30 minutes)

Presenter: VOROBYEV, Ivan (CERN)

Session Classification: Experimental highlights II.

Contribution ID: 6

Type: **not specified**

Upgrades of the ALICE experiment, towards the Alice3 challenge at LHC

Monday, 1 December 2025 11:30 (30 minutes)

Presenter: LA ROCCA, Paola (Universita e INFN, Catania (IT))

Session Classification: Experimental highlights II.

Contribution ID: 7

Type: **not specified**

NA61/SHINE overview

Monday, 1 December 2025 12:00 (30 minutes)

Presenters: ZHEREBTSOVA, Elisaveta; ZHEREBTSOVA, Elizaveta (University of Wroclaw (PL))

Session Classification: Experimental highlights II.

Contribution ID: 8

Type: **not specified**

In Memoriam József Zimányi (1931-2006)

Monday, 1 December 2025 13:50 (15 minutes)

Presenters: CSORGO, Tamas (MATE Institute of Technology Karoly Robert Campus (HU)); CSORGO, Tamas (Harvard University); CSÖRGÖ, Tamás Ferenc (Wigner RCP Budapest and MATE Institute of Technology, Gyöngyös, Hungary)

Session Classification: Experimental highlights III.

Contribution ID: 9

Type: **not specified**

Physics Opportunities at CBM FAIR

Monday, 1 December 2025 14:05 (30 minutes)

Presenters: WOLF, György; WOLF, György

Session Classification: Experimental highlights III.

Contribution ID: **10**

Type: **not specified**

Probing the Structure of the Nucleon at JLab

Monday, 1 December 2025 14:35 (30 minutes)

Presenters: BONDI, Mariangela (INFN e Laboratori Nazionali di Frascati (IT)); BONDÌ, Mariangela; BONDÌ, Mariangela (INFN - National Institute for Nuclear Physics)

Session Classification: Experimental highlights III.

Contribution ID: **11**

Type: **not specified**

Hadron spectroscopy at JLAB

Monday, 1 December 2025 15:05 (20 minutes)

Presenter: Mr FOTI, Giorgio (University of Messina & INFN Catania)

Session Classification: Experimental highlights III.

Contribution ID: 12

Type: **not specified**

Nuclear processes in ultrarelativistic collisions

Monday, 1 December 2025 15:55 (30 minutes)

Presenters: MAZUREK, Katarzyna (IFJ PAN); MAZUREK, Katarzyna

Session Classification: UPC and diffraction

Contribution ID: 13

Type: **not specified**

Nucleon emission from photon-nucleus interactions

Monday, 1 December 2025 16:25 (30 minutes)

Presenter: SZCZUREK, Antoni

Session Classification: UPC and diffraction

Contribution ID: 14

Type: **not specified**

New development in the light-by-light scattering phenomenology

Monday, 1 December 2025 16:55 (20 minutes)

Presenter: JUCHA, Paweł (Institute of Nuclear Physics Polish Academy of Sciences)

Session Classification: UPC and diffraction

Contribution ID: 15

Type: **not specified**

Relation between geometric and $H(x)$ scaling

Monday, 1 December 2025 17:15 (20 minutes)

Presenters: CSORGO, Tamas (MATE Institute of Technology Karoly Robert Campus (HU)); CSORGO, Tamas (Harvard University); CSÖRGÖ, Tamás Ferenc (Wigner RCP Budapest and MATE Institute of Technology, Gyöngyös, Hungary)

Session Classification: UPC and diffraction

Contribution ID: 16

Type: **not specified**

Recent PPS results and prospects

Monday, 1 December 2025 17:35 (15 minutes)

Presenters: SZANYI, Istvan (MATE KRC, University of Kansas, Wigner RCP); Mr SZANYI, István (Eötvös Loránd University)

Session Classification: UPC and diffraction

Contribution ID: 17

Type: **not specified**

Heavy flavors and quarkonia in ultrarelativistic nuclear collisions

Tuesday, 2 December 2025 09:00 (30 minutes)

Presenters: RUGGIERI, Marco; RUGGIERI, Marco; RUGGIERI, Marco; RUGGIERI, Marco

Session Classification: Heavy flavor and correlations

Contribution ID: **18**

Type: **not specified**

Composite particle production phenomenology and interpretation at ALICE

Tuesday, 2 December 2025 09:30 (25 minutes)

Presenter: RASÀ, Marika (University and INFN Catania)

Session Classification: Heavy flavor and correlations

Contribution ID: **19**

Type: **not specified**

Probing Baryon Production through Angular Correlations with ALICE (online)

Tuesday, 2 December 2025 09:55 (25 minutes)

Presenter: RUGGLIANO, Daniela (Warsaw University of Technology (PL))

Session Classification: Heavy flavor and correlations

Contribution ID: 20

Type: **not specified**

ALICE femtoscopy: Accessing hadronic interactions and nuclei formation

Tuesday, 2 December 2025 11:15 (30 minutes)

Presenter: VAZQUEZ DOCE, Oton (INFN e Laboratori Nazionali di Frascati (IT))

Session Classification: Femtoscopy and the EoS in HIC

Contribution ID: 21

Type: **not specified**

Overview of the MUSES project and selected recent results

Tuesday, 2 December 2025 10:50 (25 minutes)

Presenter: Dr JAHAN, Johannès (University of Houston - Department of Physics)

Session Classification: Femtoscopy and the EoS in HIC

Contribution ID: 22

Type: **not specified**

Femtoscopia with Lévy-stable sources from SPS through RHIC to LHC

Tuesday, 2 December 2025 11:45 (20 minutes)

Presenter: CSANAD, Mate (Eotvos University, Budapest)

Session Classification: Femtoscopia and the EoS in HIC

Contribution ID: 23

Type: **not specified**

3D Femtoscopy of pions with Levy sources

Tuesday, 2 December 2025 12:05 (15 minutes)

Presenter: HUANG, Yan (University of Mainz)

Session Classification: Femtoscopy and the EoS in HIC

Contribution ID: 24

Type: **not specified**

Femtoscopic introduction to HIC and symmetry energy at sub-relativistic energies

Tuesday, 2 December 2025 13:50 (30 minutes)

Presenters: VERDE, Giuseppe; VERDE, Giuseppe; VERDE, Giuseppe (INFN, Sezione di Catania)

Session Classification: Femtoscopy at intermediate energies

Contribution ID: 25

Type: **not specified**

Constraints on the nuclear Equation of State from heavy ion collisions at intermediate energies

Tuesday, 2 December 2025 14:20 (30 minutes)

Presenter: COLONNA, Maria

Session Classification: Femtoscopy at intermediate energies

Contribution ID: 26

Type: **not specified**

Femtoscscopy of rotating sources (online)

Tuesday, 2 December 2025 14:50 (25 minutes)

Presenters: Mr SAVCHUK, Oleh (Frankfurt Institute for Advanced Studies); SAVCHUK, Oleh (Frankfurt Institute for Advanced Studies)

Session Classification: Femtoscscopy at intermediate energies

Contribution ID: 27

Type: **not specified**

Femtoscscopy at HADES

Tuesday, 2 December 2025 15:15 (20 minutes)

Presenters: PREDOTA, Michal; PRĘDOTA, Michał; PRĘDOTA, Michał (Warsaw University of Technology)

Session Classification: Femtoscscopy at intermediate energies

Contribution ID: 28

Type: **not specified**

Physics Opportunities at CBM FAIR

Presenters: WOLF, György; WOLF, György

Session Classification: Femtoscopy at intermediate energies

Contribution ID: 29

Type: **not specified**

Heavy-ion collisions dynamics and the symmetry energy at intermediate energies

Tuesday, 2 December 2025 16:35 (30 minutes)

Presenter: Dr GERACI, Elena (Department of Physics and Astronomy and INFN Catania)

Session Classification: Intermediate energies I.

Contribution ID: 30

Type: **not specified**

Investigation of the isopin influence in quasi projectile break-up reactions

Tuesday, 2 December 2025 17:05 (25 minutes)

Presenter: GNOFFO, Brunilde

Session Classification: Intermediate energies I.

Contribution ID: 31

Type: **not specified**

Nuclear Physics studies at intermediate energies with FAZIA

Tuesday, 2 December 2025 17:30 (20 minutes)

Presenter: Dr BALDESI, Lucia (Universita di Firenze, INFN di Firenze)

Session Classification: Intermediate energies I.

Contribution ID: 32

Type: **not specified**

Hoyle state studies at intermediate energies with FAZIA

Tuesday, 2 December 2025 17:50 (20 minutes)

Presenter: Ms DEKHISSI, Ilham (LPC)

Session Classification: Intermediate energies I.

Contribution ID: 33

Type: **not specified**

Overview of recent results on hard probes in heavy ion collisions

Wednesday, 3 December 2025 09:00 (30 minutes)

Presenter: BIELCIKOVA, Jana (Czech Academy of Sciences (CZ))

Session Classification: Jets

Contribution ID: 34

Type: **not specified**

Thermodynamical string fragmentation and QGP-like effects in jets

Wednesday, 3 December 2025 09:30 (20 minutes)

Presenter: VERTESI, Robert (HUN-REN Wigner Research Centre for Physics (HU))

Session Classification: Jets

Contribution ID: 35

Type: **not specified**

Soft and hard interaction separation in high multiplicity PP collisions at LHC energies

Wednesday, 3 December 2025 09:50 (15 minutes)

Presenter: BIRO, Gabor (HUN-REN Wigner Research Centre for Physics (HU))

Session Classification: Jets

Contribution ID: 36

Type: **not specified**

Effect of event classification on the Tsallis thermometer

Wednesday, 3 December 2025 10:05 (15 minutes)

Presenter: GYULAI, Laszlo (HUN-REN Wigner Research Centre for Physics (HU))

Session Classification: Jets

Contribution ID: 37

Type: **not specified**

Exploring collective dynamics in heavy-ion collisions at the LHC using transverse sphericity

Wednesday, 3 December 2025 10:20 (15 minutes)

Presenters: Mr PRASAD, Suraj (Indian Institute of Technology Indore (IN)); Mr PRASAD, Suraj; Mr PRASAD, Suraj (IIT Indore)

Session Classification: Jets

Contribution ID: **38**

Type: **not specified**

Overview of lattice QCD results at finite baryon density

Wednesday, 3 December 2025 11:05 (30 minutes)

Presenter: PASZTOR, Attila (Eötvös University)

Session Classification: Lattice QCD and effective theories

Contribution ID: 39

Type: **not specified**

UV properties of Wilsonian RG flows of Feynman measures

Wednesday, 3 December 2025 11:35 (20 minutes)

Presenter: LASZLO, Andras (HUN-REN Wigner Research Centre for Physics (HU))

Session Classification: Lattice QCD and effective theories

Contribution ID: 40

Type: **not specified**

Effect of QED interactions in the thermodynamics of QCD from the lattice

Wednesday, 3 December 2025 11:55 (15 minutes)

Presenter: GARNACHO VELASCO, Eduardo

Session Classification: Lattice QCD and effective theories

Contribution ID: 41

Type: **not specified**

The axial anomaly, the Columbia plot, and the topological angle

Wednesday, 3 December 2025 12:10 (15 minutes)

Presenter: KOVACS, Gyoza (University of Wrocław, Wigner RCP)

Session Classification: Lattice QCD and effective theories

Contribution ID: 42

Type: **not specified**

Heavy quark diffusion coefficient and charm degrees of freedom from lattice QCD (online)

Wednesday, 3 December 2025 13:50 (30 minutes)

Presenters: PETRECZKY, Peter (BNL); PETRECZKY, Peter

Session Classification: Lattice QCD and heavy flavor

Contribution ID: 43

Type: **not specified**

Heavy quark potential and charmoium properties at $T>0$ from lattice

Wednesday, 3 December 2025 14:20 (30 minutes)

Presenters: LARSEN, Rasmus; LARSEN, Rasmus Normann (State University of New York (US))

Session Classification: Lattice QCD and heavy flavor

Contribution ID: 44

Type: **not specified**

Bottomonium properties at non-zero temperatures from lattice NRQCD

Wednesday, 3 December 2025 14:50 (25 minutes)

Presenter: HUANG, Wei-Ping

Session Classification: Lattice QCD and heavy flavor

Contribution ID: 45

Type: **not specified**

Magnetic susceptibility of hot hadronic matter and degrees of freedom at QCD crossover

Wednesday, 3 December 2025 15:15 (15 minutes)

Presenter: Dr SAMANTA, Rupam (Institute of Nuclear Physics (IFJ, PAN), Poland)

Session Classification: Lattice QCD and heavy flavor

Contribution ID: 46

Type: **not specified**

Thermodynamics of rotating fermions

Wednesday, 3 December 2025 16:00 (20 minutes)

Presenters: Dr AMBRUS, Victor (West University of Timișoara); AMBRUS, Victor E.; AMBRUS, Victor Eugen (West University of Timisoara (RO))

Session Classification: Hydrodynamics

Contribution ID: 47

Type: **not specified**

Dilepton Emission as a Probe of Local Acceleration in the Quark-Gluon Plasma

Wednesday, 3 December 2025 16:20 (15 minutes)

Presenter: BANDYOPADHYAY, Aritra

Session Classification: Hydrodynamics

Contribution ID: 48

Type: **not specified**

Photon emission from magnetied and rotating hot QCD plasma

Wednesday, 3 December 2025 16:35 (15 minutes)

Presenters: BUZZEGOLI, Matteo; BUZZEGOLI, Matteo; BUZZEGOLI, Matteo; BUZZEGOLI, Matteo (Iowa State University)

Session Classification: Hydrodynamics

Contribution ID: 49

Type: **not specified**

Hybrid approach at low energies: dynamical fluidization

Wednesday, 3 December 2025 16:50 (15 minutes)

Presenters: PAULINYOVA, Zuzana (Pavol Jozef Safarik University); PAULINYOVA, Zuzana (Pavol Jozef Safarik University (SK))

Session Classification: Hydrodynamics

Contribution ID: 50

Type: **not specified**

Thermal Radiation from an Analytic Hydrodynamic Model with Hadronic and QGP Sources in Heavy-Ion Collisions

Wednesday, 3 December 2025 17:05 (15 minutes)

Presenter: KASZA, Gábor

Session Classification: Hydrodynamics

Contribution ID: 51

Type: **not specified**

Spin hydrodynamics

Thursday, 4 December 2025 09:00 (30 minutes)

Presenter: FLORKOWSKI, Wojciech (Jagiellonian University)

Session Classification: Hydrodynamics and spin

Contribution ID: 52

Type: **not specified**

On the local thermodynamic relations in relativistic spin hydrodynamics

Thursday, 4 December 2025 09:30 (15 minutes)

Presenters: Dr SINGH, Rajeev (West University of Timisoara, Romania); Dr SINGH, Rajeev (West University of Timisoara, Romania)

Session Classification: Hydrodynamics and spin

Contribution ID: 53

Type: **not specified**

Novel Wigner function for spin-1/2 particles in local equilibrium

Thursday, 4 December 2025 09:45 (15 minutes)

Presenters: MYKHAYLOVA, Valeriya (University of Wrocław); MYKHAYLOVA, Valeriya

Session Classification: Hydrodynamics and spin

Contribution ID: 54

Type: **not specified**

Classical vs quantum spin description in relativistic hydrodynamics

Thursday, 4 December 2025 10:00 (15 minutes)

Presenters: DROGOSZ, Zbigniew (Jagiellonian University); DROGOSZ, Zbigniew (Jagiellonian University Krakow); DROGOSZ, Zbigniew (Jagiellonian University)

Session Classification: Hydrodynamics and spin

Contribution ID: 55

Type: **not specified**

Entanglement entropy in high energy physics

Thursday, 4 December 2025 10:45 (30 minutes)

Presenters: KHARZEEV, Dmitri (Stony Brook U./BNL); Prof. KHARZEEV, Dmitri (Stony Brook University and BNL); KHARZEEV, Dmitri

Session Classification: Initial stages

Contribution ID: 56

Type: **not specified**

The earliest phase of relativistic heavy ion collisions

Thursday, 4 December 2025 11:15 (30 minutes)

Presenter: MROWCZYNSKI, Stanislaw (National Centre for Nuclear Research, Warsaw, Poland)

Session Classification: Initial stages

Contribution ID: 57

Type: **not specified**

Scale dependence of parton distributions from consistency relations

Thursday, 4 December 2025 11:45 (20 minutes)

Presenter: VAN THURENHOUT, Sam (Universität Hamburg)

Session Classification: Initial stages

Contribution ID: 58

Type: **not specified**

Three-dimensional sizes and shapes of pion emission in heavy-ion collisions (poster)

Thursday, 4 December 2025 12:05 (2 minutes)

Presenter: ÁRPÁSI, Emese (Eötvös Loránd University)

Session Classification: Flash talks part I.

Contribution ID: 59

Type: **not specified**

Investigation of the particle-species dependence of the two-particle source function with EPOS (poster)

Thursday, 4 December 2025 12:07 (2 minutes)

Presenter: KOVÁCS, László (Eötvös Loránd University)

Session Classification: Flash talks part I.

Contribution ID: **60**

Type: **not specified**

Two-particle source analysis at SPS energies (poster)

Presenter: PORFY, Barnabas (HUN-REN Wigner Research Centre for Physics (HU))

Session Classification: Flash talks part I.

Contribution ID: 61

Type: **not specified**

Pion emission source from UrQMD at STAR energies ranging from 3 to 27 GeV (poster)

Thursday, 4 December 2025 12:09 (2 minutes)

Presenter: MOLNÁR, Mátyás

Session Classification: Flash talks part I.

Contribution ID: 62

Type: **not specified**

Comparison of source shapes from EPOS and momentum correlations from CRAB (poster)

Thursday, 4 December 2025 12:11 (2 minutes)

Presenter: Mr SZILAGYI, Mate (Eötvös Loránd University)

Session Classification: Flash talks part I.

Contribution ID: 63

Type: **not specified**

Feasibility study of femtoscopic correlations of π mesons in CBM experiment(posters)

Thursday, 4 December 2025 12:15 (2 minutes)

Presenter: Mr ZIEBA, Kacper (Warsaw University of Technology)

Session Classification: Flash talks part I.

Contribution ID: 64

Type: **not specified**

Same sign pion femtoscopy in AgAg beam 1.58A GeV in HADES experiment (poster)

Thursday, 4 December 2025 12:17 (2 minutes)

Presenter: Ms KODYM, Anna (Warsaw University of Technology)

Session Classification: Flash talks part I.

Contribution ID: 65

Type: **not specified**

Measuring the spatio-temporal characteristics of medium produced in heavy-ion collisions (poster)

Thursday, 4 December 2025 12:19 (2 minutes)

Presenter: NEDOREZOV, Egor (JINR)

Session Classification: Flash talks part I.

Contribution ID: 66

Type: **not specified**

Study of baryon-antibaryon interactions with the femtoscopy method (poster)

Thursday, 4 December 2025 12:21 (2 minutes)

Presenter: PLACHTA, Alicja (Warsaw University of Technology (PL))

Session Classification: Flash talks part I.

Contribution ID: 67

Type: **not specified**

Fluid dynamical simulations of hot matter with thermal fluctuations (poster)

Presenters: STERBA, Jakub; ŠTĚRBA, Jakub

Session Classification: Flash talks part I.

Contribution ID: **68**

Type: **not specified**

Rotating isotropic harmonic oscillator

Thursday, 4 December 2025 12:23 (2 minutes)

Presenter: Mr AGUIAR, Jonesie (West University of Timisoara)

Session Classification: Flash talks part I.

Contribution ID: 69

Type: **not specified**

Strongly interacting matter under imaginary rotation (poster)

Thursday, 4 December 2025 12:25 (2 minutes)

Presenter: PĂTULEANU, Tudor (West University of Timișoara)

Session Classification: Flash talks part I.

Contribution ID: 70

Type: **not specified**

Quantum corrections in quark-meson model under rotation (poster)

Thursday, 4 December 2025 12:27 (2 minutes)

Presenter: Mr GECIC, Aleksandar (Universitatea de Vest din Timisoara)

Session Classification: Flash talks part I.

Contribution ID: 71

Type: **not specified**

Exploring Polarised Dilepton Production Rate as a QGP Signature (poster)

Thursday, 4 December 2025 12:29 (2 minutes)

Presenter: KUNDU, Moulindu (West University of Timisoara)

Session Classification: Flash talks part I.

Contribution ID: 72

Type: **not specified**

Probing Hydrodynamics at 7.7 GeV: Model Comparisons of the Bulk Properties of Au+Au Collisions (poster)

Thursday, 4 December 2025 12:31 (2 minutes)

Presenter: ENG, Oris

Session Classification: Flash talks part I.

Contribution ID: 73

Type: **not specified**

Entropy and multiplicity of hadrons in the high energy limit within dipole cascade models (poster)

Thursday, 4 December 2025 14:00 (2 minutes)

Presenter: LOKOS, Sandor (Institute of Nuclear Physics Polish Academy of Sciences (PL))

Session Classification: Flash talks part II.

Contribution ID: 74

Type: **not specified**

Higher-order nonlocal thermodynamic theories of gravity (poster)

Thursday, 4 December 2025 14:02 (2 minutes)

Presenter: PSZOTA, Máté (Eötvös University, Wigner RCP)

Session Classification: Flash talks part II.

Contribution ID: 75

Type: **not specified**

Modified dispersion relation around neutron stars and black holes in extra-dimensional spacetime (poster)

Thursday, 4 December 2025 14:04 (2 minutes)

Presenters: HORVATH, Anna; HORVATH, Anna (Eotvos Lorand University (HU))

Session Classification: Flash talks part II.

Contribution ID: 76

Type: **not specified**

Direct Photon Measurements in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV (poster)

Thursday, 4 December 2025 14:06 (2 minutes)

Presenter: Mrs ABDULAMEER, Nour (Debrecen University)

Session Classification: Flash talks part II.

Contribution ID: 77

Type: **not specified**

Nuclear modification factor of inclusive charged particles in Au+Au collisions with the STAR experiment (poster)

Thursday, 4 December 2025 14:08 (2 minutes)

Presenter: AITBAYEV, Alisher

Session Classification: Flash talks part II.

Contribution ID: 78

Type: **not specified**

Lepton Flavour Violation with bottom quark candidates (poster)

Thursday, 4 December 2025 14:10 (2 minutes)

Presenter: Ms BISWAS, Swagata (National Institute of Technology Durgapur)

Session Classification: Flash talks part II.

Contribution ID: 79

Type: **not specified**

Aymmetries with bottom baryons (poster)

Thursday, 4 December 2025 14:12 (2 minutes)

Presenter: CHAKRABARTY, Rajesh

Session Classification: Flash talks part II.

Contribution ID: **80**

Type: **not specified**

Open charm angular correlation studies at LHC energies (poster)

Thursday, 4 December 2025 14:14 (2 minutes)

Presenter: CHYTLA, Barbara (Warsaw University of Technology (PL))

Session Classification: Flash talks part II.

Contribution ID: 81

Type: **not specified**

Strange hadron production in Au+Au collisions at $\sqrt{s_{NN}} = 3\text{-}27$ GeV with UrQMD (poster)

Thursday, 4 December 2025 14:16 (2 minutes)

Presenter: TIMOFEEV, Artem (Joint Institute for Nuclear Research)

Session Classification: Flash talks part II.

Contribution ID: 82

Type: **not specified**

Event selection strategy in light-ion collisions (poster)

Thursday, 4 December 2025 14:18 (2 minutes)

Presenters: Ms CYNOLTER, Dorottya; CYNOLTER, Dorottya Judit (Eotvos Lorand University (HU))

Session Classification: Flash talks part II.

Contribution ID: 83

Type: **not specified**

Hadron suppression measurements and simulation for the ALICE 3 MuonID upgrade (poster)

Thursday, 4 December 2025 14:20 (2 minutes)

Presenter: SZARAZ, Daniel (HUN-REN Wigner Research Centre for Physics (HU))

Session Classification: Flash talks part II.

Contribution ID: **84**

Type: **not specified**

SiPM sensors for luminosity measurement at Electron Ion Collider (poster)

Thursday, 4 December 2025 14:22 (2 minutes)

Presenter: Ms DEMJANČUKOVÁ, Jana (FNSPE CTU)

Session Classification: Flash talks part II.

Contribution ID: 85

Type: **not specified**

Novelties of measuring the XY factorization bias in precision luminosity determination (poster)

Thursday, 4 December 2025 14:24 (2 minutes)

Presenter: FEHERKUTI, Anna (Eotvos Lorand University (HU), Wigner Research Centre for Physics (HU))

Session Classification: Flash talks part II.

Contribution ID: 86

Type: **not specified**

Beam position calibration for precision luminosity measurements at the CMS Experiment (poster)

Thursday, 4 December 2025 14:26 (2 minutes)

Presenter: RADL, Attila Jozsef (HUN-REN Wigner Research Centre for Physics (HU))

Session Classification: Flash talks part II.

Contribution ID: 87

Type: **not specified**

Latest results of the HIJING++ MC event generator (poster)

Thursday, 4 December 2025 14:28 (2 minutes)

Presenter: MOLNÁR, Szabolcs (HUN-REN Wigner Research Centre for Physics)

Session Classification: Flash talks part II.

Contribution ID: **88**

Type: **not specified**

Impact of the Pauli blocking and particle exchange on the four-body systems (poster)

Thursday, 4 December 2025 14:30 (2 minutes)

Presenter: KUCHTA, Morgan (University of Wrocław)

Session Classification: Flash talks part II.

Contribution ID: 89

Type: **not specified**

Inversion of Equation of State with a First-Order Phase Transition (poster)

Thursday, 4 December 2025 14:32 (2 minutes)

Presenter: POLEDNÍEK, Tomáš (Czech Technical University in Prague)

Session Classification: Flash talks part II.

Contribution ID: 90

Type: **not specified**

Lattice-compatible QCD equation of state with the first order phase transition and critical point (poster)

Thursday, 4 December 2025 14:34 (2 minutes)

Presenters: Mr VITIUK, Oleksandr (University of Wroclaw, Institute of Theoretical Physics); Mr VITIUK, Oleksandr (University of Wroclaw (PL))

Session Classification: Flash talks part II.

Contribution ID: **91**

Type: **not specified**

TBA

Thursday, 4 December 2025 14:36 (2 minutes)

Presenter: SOMOGYFOKI, Reka (Wigner RCP Budapest)

Session Classification: Flash talks part II.

Contribution ID: **92**

Type: **not specified**

TBA

Thursday, 4 December 2025 14:38 (2 minutes)

Presenter: NAZISH, Madeeha

Session Classification: Flash talks part II.

Contribution ID: 93

Type: **not specified**

The tiniest and hottest fluid: exploring the quark.gluon plasma

Thursday, 4 December 2025 15:00 (1 hour)

Presenter: HIRANO, Tetsufumi

Session Classification: Ortvey Colloquium

Contribution ID: 94

Type: **not specified**

CMS Overview Talk

Friday, 5 December 2025 09:00 (30 minutes)

Presenter: Dr KRINTIRAS, Georgios (The University of Kansas (US))

Session Classification: Experimental highlights and light-ion collisions

Contribution ID: 95

Type: **not specified**

Overview of recent PHENIX results

Friday, 5 December 2025 09:30 (30 minutes)

Presenters: NAGY, Marton; NAGY, Marton; NAGY, Marton (Eotvos Lorand University (HU))

Session Classification: Experimental highlights and light-ion collisions

Contribution ID: 96

Type: **not specified**

Suppressed charged-particle production in OO and NeNe collisions from CMS

Friday, 5 December 2025 10:00 (20 minutes)

Presenter: SIKLÉR, Ferenc (Wigner RCP, Budapest (HU))

Session Classification: Experimental highlights and light-ion collisions

Contribution ID: 97

Type: **not specified**

Event Shape Engineering Analysis of Identified Particle Production in Oxygen–Oxygen Collisions at 7 TeV using AMPT

Friday, 5 December 2025 10:20 (15 minutes)

Presenter: Dr MISHRA, Aditya Nath (Wigner Research Centre for Physics Budapest, Hungary)

Session Classification: Experimental highlights and light-ion collisions

Contribution ID: 98

Type: **not specified**

Heavy-ion physics at the CERN SPS H2: NA35, NA49 and NA61/SHINE

Friday, 5 December 2025 11:00 (30 minutes)

Presenters: GAZDZICKI, Marek; GAZDZICKI, Marek (Jan Kochanowski University (PL))

Session Classification: Intermediate energies II.

Contribution ID: 99

Type: **not specified**

HADES/CBM overview

Friday, 5 December 2025 11:30 (30 minutes)

Presenter: ZBROSZCZYK, Hanna (Warsaw University of Technology (PL))

Session Classification: Intermediate energies II.

Contribution ID: **100**

Type: **not specified**

Measurement of charged and neutral kaons in Ar+Sc collisions at the NA61/SHINE experiment

Friday, 5 December 2025 12:00 (15 minutes)

Presenter: TEFELSKA, Angelika Magdalena (Warsaw University of Technology (PL))

Session Classification: Intermediate energies II.

Contribution ID: **101**

Type: **not specified**

Nuclear structure measurements in pO and OO collisions at LHC energies

Friday, 5 December 2025 13:45 (20 minutes)

Presenters: BARNAFOLDI, Gergely (Hungarian Academy of Sciences (HU)); BARNAFOLDI, Gergely (Hungarian Academy of Sciences (HU)); Dr BARNAFOLDI, Gergely Gabor (HUN-REN Wigner Research Centre for Physics (HU))

Session Classification: Nuclear structure

Contribution ID: **102**

Type: **not specified**

Femtoscopic signatures of unique nuclear structures in relativistic collisions

Friday, 5 December 2025 14:05 (15 minutes)

Presenters: KINCSES, Dániel (Eötvös Loránd University); KINCSES, Dániel (Eötvös Loránd University Budapest)

Session Classification: Nuclear structure

Contribution ID: **103**

Type: **not specified**

From Nuclei to Neutron Stars: A study on the neutron skin of ^{48}Ca in high energy heavy ion collisions

Friday, 5 December 2025 14:20 (15 minutes)

Presenter: Ms MISCIATTELLI MOCENIGO SORANZO, Leonora (University of Copenhagen)

Session Classification: Nuclear structure

Contribution ID: **104**

Type: **not specified**

Imprint of alpha-clustering on nucleon-nucleon correlations in relativistic light ion collisions

Friday, 5 December 2025 14:35 (15 minutes)

Presenters: MEHRABPOUR, Hadi (Peking Univresity); MEHRABPOUR, Hadi (Institute for Research in Fundamental Sciences (IPM)); MEHRABPOUR, Hadi (Institute for Research in Fundamental Sciences (IR)); Dr MEHRABPOUR, Hadi (Johannes Gutenberg University Mainz)

Session Classification: Nuclear structure

Contribution ID: **105**

Type: **not specified**

Quarks to Cosmos: Particles and plasma in cosmological evolution

Friday, 5 December 2025 15:20 (20 minutes)

Presenters: RAFELSKI, Johann (Arizona, Tucson (US)); RAFELSKI, Johann (Arizona, Tucson (US))

Session Classification: Plasma physics

Contribution ID: **106**

Type: **not specified**

Laser Induced Nanofusion

Friday, 5 December 2025 15:40 (30 minutes)

Presenter: KROÓ, Norbert

Session Classification: Plasma physics

Contribution ID: **107**

Type: **not specified**

Organizing Committee: Closing, awards, followed by small farewell gathering

Friday, 5 December 2025 16:10 (20 minutes)

Presenters: KINCSES, Dániel (Eötvös Loránd University); KINCSES, Dániel (Eötvös Loránd University Budapest); CSANAD, Mate (Eotvos University, Budapest); KOVÁCS, Péter (Wigner Research Centre for Physics); Dr KOVÁCS, Péter (Wigner Research Centre for Physics); LOKOS, Sandor (Institute of Nuclear Physics Polish Academy of Sciences (PL))

Session Classification: Plasma physics

Contribution ID: **108**

Type: **not specified**

The HIC studies at RIKEN with the Spirit TPC and the quest for the symmetry energy

Tuesday, 2 December 2025 16:05 (30 minutes)

Presenter: KURATA, Mizuki (Institute of Physics)

Session Classification: Intermediate energies I.

Contribution ID: **109**

Type: **not specified**

Lévy distributed sources from relativistic hydrodynamics

Thursday, 4 December 2025 12:13 (2 minutes)

Presenter: SZENTKUTI, Bence (ELTE Eötvös Loránd University)

Session Classification: Flash talks part I.

Contribution ID: **110**

Type: **not specified**

IAC discussion and dinner

Thursday, 4 December 2025 18:00 (2 hours)