

# **Zimanyi Winter School**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome address

*Monday 4 December 2023 08:45 (15 minutes)*

**Presenter:** LEVAI, Peter (HUN-REN Wigner Research Centre for Physics (HU))

**Session Classification:** Experiment overviews

Contribution ID: 2

Type: **not specified**

## **ePIC detector at the Electron Ion Collider**

*Monday 4 December 2023 09:00 (35 minutes)*

**Presenter:** ADAM, Jaroslav (Czech Technical University in Prague (CZ))

**Session Classification:** Experiment overviews

Contribution ID: 3

Type: **not specified**

## **CBM overview - facts and fictions**

*Monday 4 December 2023 09:35 (35 minutes)*

**Author:** Dr LINZ, Frédéric Julian (GSI Helmholtzzentrum für Schwerionenforschung GmbH)

**Presenter:** Dr LINZ, Frédéric Julian (GSI Helmholtzzentrum für Schwerionenforschung GmbH)

**Session Classification:** Experiment overviews

Contribution ID: 4

Type: **not specified**

## PHENIX Highlights

*Monday 4 December 2023 10:10 (35 minutes)*

**Presenter:** BELMONT, Ron (University of North Carolina at Greensboro)

**Session Classification:** Experiment overviews

Contribution ID: 5

Type: **not specified**

## **Tests of CPT invariance at the CERN Antimatter Factory**

*Monday 4 December 2023 11:15 (30 minutes)*

**Presenter:** HORVATH, Dezso (Wigner RCP, Budapest (HU))

**Session Classification:** Other topics

Contribution ID: 6

Type: **not specified**

## **Pion observables calculated in Minkowski and Euclidean spaces with Ansatz quark propagators**

*Monday 4 December 2023 11:45 (20 minutes)*

**Presenter:** KLABUCAR, Dubravko (University of Zagreb)

**Session Classification:** Other topics

Contribution ID: 7

Type: **not specified**

## **Wilsonian renormalization group flows are generated by ordinary distributions**

*Monday 4 December 2023 12:05 (20 minutes)*

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

**Session Classification:** Other topics



Contribution ID: 8

Type: **not specified**

## **Lattice QCD overview at non-zero baryon density**

*Monday 4 December 2023 13:55 (35 minutes)*

**Presenter:** PASZTOR, Attila (Eötvös University)

**Session Classification:** Lattice QCD

Contribution ID: 9

Type: **not specified**

## **Heavy quark diffusion from lattice QCD (online)**

*Monday 4 December 2023 14:30 (35 minutes)*

**Presenter:** SHU, Hai-Tao

**Session Classification:** Lattice QCD

Contribution ID: **10**

Type: **not specified**

## **Charm fluctuations and charm deconfinement from lattice QCD**

*Monday 4 December 2023 15:05 (35 minutes)*

**Presenter:** SHARMA, Sipaz

**Session Classification:** Lattice QCD

Contribution ID: 11

Type: **not specified**

## Topology and Axions from Lattice QCD

*Monday 4 December 2023 15:40 (15 minutes)*

**Presenter:** HERNÁNDEZ HERNÁNDEZ, José Javier

**Session Classification:** Lattice QCD

Contribution ID: 12

Type: **not specified**

## **Possibilities for phase and source function reconstruction in HBT correlations and in elastic proton-proton scattering**

*Monday 4 December 2023 16:25 (20 minutes)*

**Presenter:** CSORGO, Tamas (MATE Institute of Technology Karoly Robert Campus (HU))

**Session Classification:** Diffraction

Contribution ID: 13

Type: **not specified**

## **Detailing the Odderon effect with numerical examples at 8 TeV**

*Monday 4 December 2023 16:45 (20 minutes)*

**Presenters:** STER, Andras (KFKI-RMKI); STER, András

**Session Classification:** Diffraction

Contribution ID: 14

Type: **not specified**

## **Nonresonant central exclusive production from CMS+TOTEM**

*Monday 4 December 2023 17:05 (20 minutes)*

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

**Session Classification:** Diffraction

Contribution ID: 15

Type: **not specified**

## **Dip-bump structure in pp single diffraction**

*Monday 4 December 2023 17:25 (15 minutes)*

**Presenter:** SZANYI, Istvan (Eötvös University, Wigner RCP, MATE KRC)

**Session Classification:** Diffraction



Contribution ID: 16

Type: **not specified**

## Mini-jet quenching

*Tuesday 5 December 2023 09:00 (35 minutes)*

**Presenter:** ZHOU, Luyao Fabian (ITP Heidelberg)

**Session Classification:** Jets, CME

Contribution ID: 17

Type: **not specified**

## **Jet energy loss in relativistic heavy-ion collisions with realistic medium modelling**

**Presenter:** BOBEK, Josef (CTU FNSPE)

**Session Classification:** Jets, CME

Contribution ID: 18

Type: **not specified**

## **Spectator-induced electromagnetic effects in 40Ar+45Sc collisions at 40A GeV/c beam momentum**

*Tuesday 5 December 2023 09:50 (15 minutes)*

**Presenter:** Ms BHOSALE, Sneha Rajaram (Polish Academy of Sciences (PL))

**Session Classification:** Jets, CME

Contribution ID: 19

Type: **not specified**

## **Dynamical axial charge and chiral magnetic current in a holographic plasma**

*Tuesday 5 December 2023 10:05 (20 minutes)*

**Presenter:** TEJERA, Sergio Morales (West University of Timisoara)

**Session Classification:** Jets, CME

Contribution ID: 20

Type: **not specified**

## Tracking the baryon number in heavy-ion collisions

*Tuesday 5 December 2023 11:00 (45 minutes)*

**Presenter:** XU, Zhangbu

**Session Classification:** Baryon number

Contribution ID: 21

Type: **not specified**

## **Baryon number fluctuations at finite temperature and magnetic field**

*Tuesday 5 December 2023 11:45 (20 minutes)*

**Presenter:** SZYMANSKI, Michal (University of Wroclaw)

**Session Classification:** Baryon number

Contribution ID: 22

Type: **not specified**

## **Fluctuations and correlations of baryonic chiral partners**

*Tuesday 5 December 2023 12:05 (20 minutes)*

**Presenter:** MARCZENKO, Michał (University of Wrocław)

**Session Classification:** Baryon number

Contribution ID: 23

Type: **not specified**

## **Continuum extrapolated high order baryon fluctuations**

*Tuesday 5 December 2023 12:25 (15 minutes)*

**Presenter:** Mr PESZNYAK, David

**Session Classification:** Baryon number



Contribution ID: 24

Type: **not specified**

## Elliptic flow of deuterons

*Tuesday 5 December 2023 14:15 (35 minutes)*

**Presenter:** TOMASIK, Boris (Univerzita Mateja Bela (SK))

**Session Classification:** Hydrodynamics I.

Contribution ID: 25

Type: **not specified**

## **Hypernuclei production with a modified coalescence model**

*Tuesday 5 December 2023 14:50 (20 minutes)*

**Presenter:** BALASSA, Gabor

**Session Classification:** Hydrodynamics I.

Contribution ID: 26

Type: **not specified**

## **Modelling choices in multi-fluid-dynamical descriptions of low energy collisions**

*Tuesday 5 December 2023 15:10 (20 minutes)*

**Presenter:** WERTHMANN, Clemens (University of Wroclaw)

**Session Classification:** Hydrodynamics I.

Contribution ID: 27

Type: **not specified**

## **Modeling low energy heavy ion collisions with a dynamically initialized hybrid approach**

*Tuesday 5 December 2023 15:30 (20 minutes)*

**Presenter:** PAULINYOVA, Zuzana (Pavol Jozef Safarik University)

**Session Classification:** Hydrodynamics I.

Contribution ID: 28

Type: **not specified**

## **Preliminary results on the transverse flow of light mesons from Ag+Ag collisions registered by the HADES experiment**

*Tuesday 5 December 2023 09:35 (15 minutes)*

**Presenter:** ORLINSKI, Jan

**Session Classification:** Jets, CME

Contribution ID: 29

Type: **not specified**

## Hydrodynamics from an exact collision kernel

*Tuesday 5 December 2023 16:20 (35 minutes)*

**Presenter:** DENICOL, Gabriel (Universidade Federal Fluminense)

**Session Classification:** Hydrodynamics II.

Contribution ID: 30

Type: **not specified**

## **Universality of energy-momentum response in kinetic theories**

*Tuesday 5 December 2023 16:55 (35 minutes)*

**Presenter:** DU, Xiaojian (Galician Institute of High-Energy Physics (IGFAE))

**Session Classification:** Hydrodynamics II.

Contribution ID: 31

Type: **not specified**

## **Kinetic-theory-wise formulation of relativistic spin hydrodynamics**

*Tuesday 5 December 2023 17:30 (20 minutes)*

**Presenter:** Dr RYBLEWSKI, Radoslaw (Institute of Nuclear Physics PAN)

**Session Classification:** Hydrodynamics II.



Contribution ID: 32

Type: **not specified**

## **Helical separation effect for Dirac fermions in a strong magnetic field**

*Tuesday 5 December 2023 17:50 (20 minutes)*

**Presenter:** Dr AMBRUS, Victor (West University of Timișoara)

**Session Classification:** Hydrodynamics II.

Contribution ID: 33

Type: **not specified**

## **Opportunities for HIC at FRIB energies: symmetry energy and in-medium correlations**

*Wednesday 6 December 2023 09:00 (30 minutes)*

**Presenter:** VERDE, Giuseppe

**Session Classification:** Intermediate energies

Contribution ID: 34

Type: **not specified**

## **The status of EoS studies with HIC at GSI and implications on neutron stars and gravitational waves (online)**

*Wednesday 6 December 2023 09:30 (30 minutes)*

**Presenter:** LE FÈVRE, Arnaud

**Session Classification:** Intermediate energies

Contribution ID: 35

Type: **not specified**

## **FAZIA: a new generation array for nuclear dynamics and EoS experiments at intermediate energies**

*Wednesday 6 December 2023 10:00 (30 minutes)*

**Presenters:** VALDRE', Simone; VALDRÉ, Simone (INFN - Sezione di Firenze)

**Session Classification:** Intermediate energies

Contribution ID: 36

Type: **not specified**

## **The OSCAR correlation array for low energy structure and dynamics**

*Wednesday 6 December 2023 10:30 (15 minutes)*

**Presenter:** REDIGOLO, Luigi (Università di Catania / INFN, Sezione di Catania)

**Session Classification:** Intermediate energies

Contribution ID: 37

Type: **not specified**

## **Overview of Lévy femtoscopy from SPS through RHIC to LHC**

*Wednesday 6 December 2023 11:15 (30 minutes)*

**Presenter:** CSANAD, Mate (Eotvos University, Budapest)

**Session Classification:** Lévy femtoscopy – dedicated to Tamás Csörgő on the occasion of his 60th birthday

Contribution ID: 38

Type: **not specified**

## **A novel method for calculating Bose-Einstein correlation functions with Coulomb final-state interaction**

*Wednesday 6 December 2023 11:45 (20 minutes)*

**Presenters:** NAGY, Marton (MTA KFKI RMKI); NAGY, Marton; NAGY, Marton (Eotvos Lorand University (HU))

**Session Classification:** Lévy femtoscopy – dedicated to Tamás Csörgő on the occasion of his 60th birthday

Contribution ID: 39

Type: **not specified**

## **Two-particle interferometry with Lévy-stable sources at STAR**

*Wednesday 6 December 2023 12:05 (20 minutes)*

**Presenter:** KINCSES, Dániel (Eötvös Loránd University)

**Session Classification:** Lévy femtoscopy – dedicated to Tamás Csörgő on the occasion of his 60th birthday



Contribution ID: 40

Type: **not specified**

## **Femtoscipy at NA61/SHINE**

*Wednesday 6 December 2023 12:25 (15 minutes)*

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

**Session Classification:** Lévy femtoscipy – dedicated to Tamás Csörgő on the occasion of his 60th birthday

Contribution ID: 41

Type: **not specified**

## Shaping the nuclear structure at the relativistic energies

*Wednesday 6 December 2023 14:15 (35 minutes)*

**Presenter:** ZHOU, You (Niels Bohr Institute (DK))

**Session Classification:** Initial stages

Contribution ID: 42

Type: **not specified**

## Quantum effects in the early stages of the expansion

*Wednesday 6 December 2023 14:50 (20 minutes)*

**Presenter:** Dr TINTI, Leonardo (Uniwersytet Jana Kochanowskiego w Kielcach)

**Session Classification:** Initial stages

Contribution ID: 43

Type: **not specified**

## **Event shape engineering and study of identified particle production in Oxygen + Oxygen collisions at LHC energy**

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

**Session Classification:** Initial stages

Contribution ID: 44

Type: **not specified**

## **Femtoscopes of p-Lambda system obtained in heavy-ion collision in the HADES experiment (GSI)**

*Wednesday 6 December 2023 15:10 (20 minutes)*

**Presenter:** RATHOD, Narendra

**Session Classification:** Initial stages

Contribution ID: 45

Type: **not specified**

## **Quarkonium production at the LHC: experiment and theory overview (online)**

*Wednesday 6 December 2023 16:00 (35 minutes)*

**Presenter:** ANDRONIC, Anton (Universität Münster (DE))

**Session Classification:** Heavy-flavor

Contribution ID: 46

Type: **not specified**

## **Heavy quark potential at non-zero temperature (online)**

*Wednesday 6 December 2023 16:35 (35 minutes)*

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

**Session Classification:** Heavy-flavor

Contribution ID: 47

Type: **not specified**

## **Investigation of the heavy-flavor hadronization time-scale using the Tsallis-thermometer**

*Wednesday 6 December 2023 17:10 (15 minutes)*

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

**Session Classification:** Heavy-flavor



Contribution ID: 48

Type: **not specified**

## QCD in the early Universe

*Thursday 7 December 2023 09:00 (35 minutes)*

**Presenter:** Dr SUMBERA, Michal (Nuclear Physics Institute, Acad. of Sciences of the Czech Rep. (CZ))

**Session Classification:** QCD and cosmology

Contribution ID: 49

Type: **not specified**

# Galactic hydrodynamics with thermodynamic gravity

*Thursday 7 December 2023 09:35 (15 minutes)*

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

**Session Classification:** QCD and cosmology

Contribution ID: 50

Type: **not specified**

## **Probing the onset of the deconfinement phase transition in hybrid stars with radial oscillations**

*Thursday 7 December 2023 09:50 (15 minutes)*

**Presenter:** GÄRTLEIN, Christoph

**Session Classification:** QCD and cosmology

Contribution ID: 51

Type: **not specified**

## **Study of high pT and direct photon in small system collisions at 200 GeV**

*Thursday 7 December 2023 10:35 (20 minutes)*

**Presenter:** SUN, Zhandong

**Session Classification:** Photons, dileptons

Contribution ID: 52

Type: **not specified**

## **Analysis of $\pi^0$ & direct photon in the large 2014 200 GeV Au+Au /PHENIX dataset**

*Thursday 7 December 2023 10:55 (15 minutes)*

**Presenter:** ABDUALMEER, Nour (DE Institute of Physics, Faculty of Science)

**Session Classification:** Photons, dileptons

Contribution ID: 53

Type: **not specified**

## **Describing the direct photon spectra of Au+Au @ 200 GeV collisions with a new analytic formul**

*Thursday 7 December 2023 11:10 (15 minutes)*

**Presenter:** KASZA, Gábor

**Session Classification:** Photons, dileptons

Contribution ID: 54

Type: **not specified**

## **Pi0 and eta analysis on Run16 Au+Au collision at 200GeV**

*Thursday 7 December 2023 11:25 (15 minutes)*

**Presenter:** OROSZ, Melinda (University of Debrecen (HU))

**Session Classification:** Photons, dileptons

Contribution ID: 55

Type: **not specified**

## **Incoherent processes in dilepton production in proton-nucleus scattering**

*Thursday 7 December 2023 11:40 (20 minutes)*

**Presenter:** Dr MAYDANYUK, Sergei (Wigner Research Centre for Physics, Budapest, Hungary)

**Session Classification:** Photons, dileptons



Contribution ID: 56

Type: **not specified**

## **Polarization effects in processes of dimuon production at LHC and NICA**

*Thursday 7 December 2023 12:00 (20 minutes)*

**Presenter:** SHALAEV, Vladislav (Joint Institute for Nuclear Research (RU))

**Session Classification:** Photons, dileptons

Contribution ID: 57

Type: **not specified**

## **The ALICE Fast Interaction Trigger Performance and Upgrade (poster)**

*Thursday 7 December 2023 14:00 (3 minutes)*

**Presenter:** UPADHYAYA, Sahil (Polish Academy of Sciences (PL))

**Session Classification:** Flash talks

Contribution ID: 58

Type: **not specified**

**TBA**

**Presenter:** Ms BHOSALE, Sneha Rajaram (Polish Academy of Sciences (PL))

**Session Classification:** Flash talks

Contribution ID: 59

Type: **not specified**

## **sPHENIX TPC monitoring system (poster)**

*Thursday 7 December 2023 14:06 (3 minutes)*

**Presenter:** MAJOROS, Tamás (University of Debrecen)

**Session Classification:** Flash talks

Contribution ID: 60

Type: **not specified**

## **Thermodynamically compatible family of non-relativistic self-gravitating weakly nonlocal fluids (poster)**

*Thursday 7 December 2023 14:09 (3 minutes)*

**Presenter:** SZUCS, Matyas

**Session Classification:** Flash talks

Contribution ID: 61

Type: **not specified**

## **Sensitivity of finite volume effects to the boundary condition and the vacuum term**

*Thursday 7 December 2023 14:12 (3 minutes)*

**Presenter:** KOVÁCS, Győző (Wigner RCP)

**Session Classification:** Flash talks

Contribution ID: **62**

Type: **not specified**

## **SiPM Module Tester for CMS BTL (poster)**

*Thursday 7 December 2023 14:15 (3 minutes)*

**Presenter:** BARANYAI, David (University of Debrecen (HU))

**Session Classification:** Flash talks

Contribution ID: 63

Type: **not specified**

## **Mean transverse momentum scaling at LHC energies using deep learning methods**

*Friday 8 December 2023 11:15 (20 minutes)*

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

**Session Classification:** Detector development



Contribution ID: 64

Type: **not specified**

## **Calculation of Coulomb interacting Bose-Einstein correlations in Fourier space (poster)**

*Thursday 7 December 2023 14:21 (3 minutes)*

**Presenter:** ALETTA, Purzsa (Eötvös University)

**Session Classification:** Flash talks

Contribution ID: 65

Type: **not specified**

## **Localization of Dirac modes in the SU(2)-Higgs model at finite temperature**

*Thursday 7 December 2023 14:24 (3 minutes)*

**Presenter:** BARANKA, György (Eötvös Loránd University)

**Session Classification:** Flash talks

Contribution ID: 66

Type: **not specified**

## **Current status and future prospects of measuring hadronic interactions in pp collisions at 13.6 TeV with ALICE**

*Thursday 7 December 2023 14:27 (3 minutes)*

**Presenter:** MANTZARIDIS, Georgios (Technische Universitaet Muenchen (DE))

**Session Classification:** Flash talks

Contribution ID: 67

Type: **not specified**

## **What neutron stars can tell us about QCD phase transitions**

*Thursday 7 December 2023 14:30 (3 minutes)*

**Presenter:** TAKÁTSY, János

**Session Classification:** Flash talks

Contribution ID: 68

Type: **not specified**

## **Event-activity dependence of the beauty production in the enhanced color reconnection model at LHC energies**

*Thursday 7 December 2023 14:33 (3 minutes)*

**Presenter:** VARGA, Zoltan (HUN-REN Wigner Research Centre for Physics (HU))

**Session Classification:** Flash talks

Contribution ID: 69

Type: **not specified**

## Studying Extra Dimensions in Compact Stars

*Thursday 7 December 2023 14:36 (3 minutes)*

**Presenter:** HORVATH, Anna (Eotvos Lorand University (HU))

**Session Classification:** Flash talks

Contribution ID: 70

Type: **not specified**

## **Study of the J/psi photoproduction with tagged forward proton in pp collisions at 510 GeV (poster)**

*Thursday 7 December 2023 14:39 (3 minutes)*

**Presenter:** SVERAKOVA, Michaela (Czech Technical University in Prague)

**Session Classification:** Flash talks

Contribution ID: 71

Type: **not specified**

## **Kinematic self-similar solutions in curved space-time**

*Thursday 7 December 2023 14:42 (3 minutes)*

**Presenter:** SZIGETI, Balazs Endre (Wigner Research Centre for Physics (Wigner RCP) (HU))

**Session Classification:** Flash talks



Contribution ID: 72

Type: **not specified**

## **Multi-dimensional investigation of the pion pair-source in heavy-ion collisions with EPOS (poster)**

*Thursday 7 December 2023 14:45 (3 minutes)*

**Presenter:** ÁRPÁSI, Emese (Eötvös University)

**Session Classification:** Flash talks

Contribution ID: 73

Type: **not specified**

**TBA**

**Presenter:** SOHEILBEIGI BAZGIR, Ali (Jan Kochanowski University (PL))

**Session Classification:** Flash talks

Contribution ID: 74

Type: **not specified**

## **Silicon Tracking System of the CBM experiment at FAIR (poster)**

*Thursday 7 December 2023 14:48 (3 minutes)*

**Presenter:** MEHTA, Shaifali (University of Tübingen)

**Session Classification:** Flash talks

Contribution ID: 75

Type: **not specified**

## **Measurement of heavy-flavor electron production in Au+Au collisions at 54.4 GeV at STAR (poster)**

*Thursday 7 December 2023 14:51 (3 minutes)*

**Presenter:** Mrs PROZOROVA, Veronika (Czech Technical University in Prague)

**Session Classification:** Flash talks

Contribution ID: 76

Type: **not specified**

## **Equilibrium stability of non-relativistic fluids: thermodynamic conditions (poster)**

*Thursday 7 December 2023 14:54 (3 minutes)*

**Presenter:** SOMOGYFOKI, Reka (Wigner RCP Budapest)

**Session Classification:** Flash talks

Contribution ID: 77

Type: **not specified**

## **Quantifying the Underlying Event in High-energy pp collisions from RHIC to LHC**

*Friday 8 December 2023 09:00 (35 minutes)*

**Presenter:** Dr BARNAFOLDI, Gergely Gabor (HUN-REN Wigner Research Centre for Physics (HU))

**Session Classification:** Small systems

Contribution ID: 78

Type: **not specified**

## **Multi-parton interactions in pp collisions using charged-particle flattenicity with ALICE**

*Friday 8 December 2023 09:35 (20 minutes)*

**Presenter:** BENCEDI, Gyula (HUN-REN Wigner Research Centre for Physics (HU))

**Session Classification:** Small systems

Contribution ID: 79

Type: **not specified**

## **Jet substructure measurements in heavy-ion collisions**

*Friday 8 December 2023 09:55 (20 minutes)*

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

**Session Classification:** Small systems



Contribution ID: 80

Type: **not specified**

## **Probing partonic collectivity in pp and p—Pb collisions with ALICE**

*Friday 8 December 2023 10:15 (15 minutes)*

**Presenter:** WU, Wenya (Fudan University (CN))

**Session Classification:** Small systems

Contribution ID: **81**

Type: **not specified**

## **Prospects of angular correlation studies of identified hadrons in the LHC Run 3 with the ALICE experiment**

*Friday 8 December 2023 10:30 (15 minutes)*

**Presenter:** CHOCHULSKA, Zuzanna Anna (Warsaw University of Technology (PL))

**Session Classification:** Small systems

Contribution ID: **82**

Type: **not specified**

## **Image reconstruction with proton CT**

*Friday 8 December 2023 11:35 (15 minutes)*

**Presenter:** JÓLESZ, Zsófia (Wigner Research Centre for Physics)

**Session Classification:** Detector development

Contribution ID: 83

Type: **not specified**

## Trajectory reconstruction for proton computed tomography with machine learning

*Friday 8 December 2023 11:50 (15 minutes)*

**Presenter:** DUDÁS, Bence (Wigner RCP and ELTE)

**Session Classification:** Detector development

Contribution ID: **84**

Type: **not specified**

## **XY factorization bias in luminosity measurements**

*Friday 8 December 2023 12:05 (15 minutes)*

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

**Session Classification:** Detector development

Contribution ID: 85

Type: **not specified**

## Luminosity Calibration at the CMS Experiment

*Friday 8 December 2023 12:20 (15 minutes)*

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

**Session Classification:** Detector development

Contribution ID: 86

Type: **not specified**

## **Phenomenology of isospin breaking with vector mesons**

**Presenter:** Dr KOVÁCS, Péter (Wigner Research Centre for Physics)

**Session Classification:** Effective theories

Contribution ID: 87

Type: **not specified**

## **Bose-Einstein condensation of an interacting scalar system with charge conservation**

**Presenter:** ANCHISHKIN, Dmitry (Bogolyubov Institute for Theoretical Physics (ITP))

**Session Classification:** Effective theories



Contribution ID: **88**

Type: **not specified**

## **Analytic solutions of the complex diffusion equation**

*Friday 8 December 2023 14:00 (20 minutes)*

**Presenter:** Dr BARNA, Imre Ferenc (Wigner Research Center)

**Session Classification:** Effective theories

Contribution ID: 89

Type: **not specified**

## Mesons in medium modifications

*Friday 8 December 2023 14:20 (20 minutes)*

**Presenter:** WOLF, György

**Session Classification:** Effective theories

Contribution ID: **90**

Type: **not specified**

## **Schwinger mechanism for scalar fields**

*Friday 8 December 2023 14:40 (20 minutes)*

**Presenter:** VEREIJKEN, Arthur (UJK Jan Kochanowski University Kielce)

**Session Classification:** Effective theories

Contribution ID: 91

Type: **not specified**

# Azimuthal Correlations of Upsilon Hadrons in Pythia-Simulated Proton-Proton Collisions

*Thursday 7 December 2023 14:57 (3 minutes)*

**Presenter:** MEZHENSKA, Olena

**Session Classification:** Flash talks

Contribution ID: 92

Type: **not specified**

## Open charm correlation at SPS energies

*Thursday 7 December 2023 14:03 (3 minutes)*

**Presenter:** PIDHURSKYI, Ivan (Jan Kochanowski University (PL))

**Session Classification:** Flash talks

Contribution ID: 95

Type: **not specified**

## **Closing remarks, award presentation**

*Friday 8 December 2023 15:00 (20 minutes)*

**Session Classification:** Effective theories