

The 38th Winter Workshop on Nuclear Dynamics

Report of Contributions

Contribution ID: 1

Type: **not specified**

3D structure of jet-induced diffusion wake in high-energy heavy-ion collisions

Monday, 6 February 2023 09:00 (30 minutes)

Presenter: Dr WANG, Xin-Nian (Lawrence Berkeley National Lab. (US))

Contribution ID: 2

Type: **not specified**

Everything You Wanted to Know About Jets.....

Tuesday, 7 February 2023 11:30 (30 minutes)

Presenter: HARRIS, John William (Yale University (US))

Contribution ID: 3

Type: **not specified**

EPOS4 - An overview

Monday, 6 February 2023 10:00 (30 minutes)

Presenter: WERNER, Klaus

Contribution ID: 4

Type: **not specified**

Bayesian constraints on the initial stage using Trajectum

Monday, 6 February 2023 11:00 (30 minutes)

Presenter: GOVERT, Nijs (MIT)

Contribution ID: 5

Type: **not specified**

Precision measurements with trapped ions and lasers at FRIB

Monday, 6 February 2023 11:30 (30 minutes)

Presenter: Dr KARTHEIN, Jonas (Massachusetts Inst. of Technology (US))

Contribution ID: 6

Type: **not specified**

Experimental signatures of nuclear structure in heavy ion collisions

Monday, 6 February 2023 18:00 (30 minutes)

Presenter: ZHANG, Chunjian (Stony Brook University)

Contribution ID: 7

Type: **not specified**

Forward Physics in small systems at the LHC

Monday, 6 February 2023 09:30 (30 minutes)

Presenter: TIMMINS, Anthony Robert (University of Houston (US))

Contribution ID: 8

Type: **not specified**

Particle production as a function of the Underlying Event activity in small and large collision systems

Monday, 6 February 2023 17:30 (30 minutes)

Presenter: SILVERMYR, David (Lund University (SE))

Contribution ID: 9

Type: **not specified**

Results from JetScape

Tuesday, 7 February 2023 09:00 (30 minutes)

Presenter: MAJUMDER, Abhijit (Wayne State University)

Contribution ID: **10**

Type: **not specified**

Strangeness production in NA61/SHINE

Tuesday, 7 February 2023 09:30 (30 minutes)

Presenter: BRYLINSKI, Wojciech (Warsaw University of Technology (PL))

Contribution ID: 11

Type: **not specified**

Holographic QCD Equation of State Modeling in the Bayesian Era

Tuesday, 7 February 2023 10:00 (30 minutes)

Presenter: HIPPERT TEIXEIRA, Mauricio (University of Illinois at Urbana-Champaign)

Contribution ID: 12

Type: **not specified**

Energy and entropy densities in p+p, p+Pb and Pb+Pb collisions from 0.01 to 13 TeV

Tuesday, 7 February 2023 11:00 (30 minutes)

Presenter: CUAUTLE FLORES, Eleazar (Universidad Nacional Autonoma (MX))

Contribution ID: 13

Type: **not specified**

System size dependence of jet modification in heavy-ion collisions

Monday, 6 February 2023 18:30 (20 minutes)

Presenter: HE, Yang (ShanDongUniversity)

Contribution ID: 14

Type: **not specified**

Unveiling the effects of multiple soft partonic interactions in pp collisions at 13.6 TeV using charged-particle flattenicity

Tuesday, 7 February 2023 17:30 (30 minutes)

Presenter: VAZQUEZ RUEDA, Omar (University of Houston (US))

Contribution ID: 15

Type: **not specified**

Speed of sound and the effective QCD phase diagram

Tuesday, 7 February 2023 18:00 (30 minutes)

Presenter: HERNÁNDEZ ORTIZ, Saúl Fernando

Contribution ID: 16

Type: **not specified**

“Hedgehog” events revisited

Tuesday, 7 February 2023 18:30 (30 minutes)

Presenter: SERKIN, Leonid (ICN-UNAM (MX))

Contribution ID: 17

Type: **not specified**

Pure SU(3) on the lattice, physical limit

Wednesday, 8 February 2023 09:00 (30 minutes)

Presenter: FODOR, Zoltan

Contribution ID: **18**

Type: **not specified**

Fluctuations for QCD Phase Diagram Characterization

Wednesday, 8 February 2023 09:30 (30 minutes)

Presenter: KARTHEIN, Jamie (MIT)

Contribution ID: 19

Type: **not specified**

QCD equation of state at finite density with a critical point from an alternative expansion scheme

Wednesday, 8 February 2023 10:00 (30 minutes)

Presenter: KAHANGIRWE, Micheal (University of Houston)

Contribution ID: 20

Type: **not specified**

Measuring the properties of Quark Gluon Plasma with Unified Balance Functions

Wednesday, 8 February 2023 11:00 (30 minutes)

Presenter: Prof. PRUNEAU, Claude Andre (Wayne State University (US))

Contribution ID: 21

Type: **not specified**

Results on light (anti)hypernuclei production with ALICE at the LHC

Wednesday, 8 February 2023 11:30 (30 minutes)

Presenter: BARTSCH, Esther (Goethe University Frankfurt (DE))

Contribution ID: 22

Type: **not specified**

Probing a new regime of ultra-dense gluonic matter using high-energy photons with the CMS Experiment

Wednesday, 8 February 2023 17:30 (30 minutes)

Presenter: LIN, Jiazhao (Rice University (US))

Contribution ID: 23

Type: **not specified**

Improving Bayesian parameter estimation with the latest RHIC and LHC data including a new initial conditions model

Wednesday, 8 February 2023 18:00 (30 minutes)

Presenter: KIM, Dong Jo (University of Jyvaskyla (FI))

Contribution ID: 24

Type: **not specified**

Recent results on hadronic resonances production with ALICE at the LHC

Wednesday, 8 February 2023 18:30 (30 minutes)

Presenter: LIM, Bong-Hwi (Universita e INFN Torino (IT))

Contribution ID: 25

Type: **not specified**

tbd

Contribution ID: 26

Type: **not specified**

Quarkyonic or Baryquark matter?

Thursday, 9 February 2023 09:30 (30 minutes)

Presenter: Dr VOVCHENKO, Volodymyr (Lawrence Berkeley National Laboratory)

Contribution ID: 27

Type: **not specified**

The shear viscosity of parton matter under two-body scatterings

Thursday, 9 February 2023 10:00 (30 minutes)

Presenter: LIN, Zi-Wei (East Carolina University)

Contribution ID: 28

Type: **not specified**

Toward unbiased flow measurements in LHC pp collisions

Thursday, 9 February 2023 17:30 (30 minutes)

Presenter: JI, Su-Jeong (Pusan National University (KR))

Contribution ID: 29

Type: **not specified**

The MUSES collaboration

Thursday, 9 February 2023 11:30 (30 minutes)

Presenter: RATTI, Claudia

Contribution ID: **30**

Type: **not specified**

Predicting randomness in relativistic hydrodynamics

Thursday, 9 February 2023 11:00 (30 minutes)

Presenter: STEPHANOV, Misha (UIC)

Contribution ID: **31**

Type: **not specified**

Quarkonium transport in strongly coupled plasmas

Thursday, 9 February 2023 18:00 (30 minutes)

Presenter: SCHEIHING HITSCHFELD, Bruno Sebastian (Massachusetts Institute of Technology)

Contribution ID: **32**

Type: **not specified**

tbd

Presenter: DA CRUZ THIAGO, Fajardo

Contribution ID: 33

Type: **not specified**

sPHENIX: Status and Plans

Friday, 10 February 2023 11:30 (30 minutes)

Presenter: Prof. KNOSPE, Anders Garritt (Lehigh University)

Contribution ID: 34

Type: **not specified**

Workshop summary and discussion

Friday, 10 February 2023 12:00 (1 hour)

Contribution ID: 35

Type: **not specified**

ALICE 3 - physics and detector plans

Friday, 10 February 2023 10:00 (30 minutes)

Presenter: BELLWIED, Rene (University of Houston (US))

Contribution ID: **36**

Type: **not specified**

tbd

Presenter: ZHANG, Chunjian (Stony Brook University)

Contribution ID: 37

Type: **not specified**

tbd

Presenter: TAWFIK, Abdel Nasser (ENHEP Egyptian Network of High Energy Physics (EG))

Contribution ID: **38**

Type: **not specified**

Panel Discussion on future projects in Nuclear Physics

Saturday, 11 February 2023 09:00 (3 hours)

Presenter: BELLWIED, Rene (University of Houston (US))

Contribution ID: 39

Type: **not specified**

Unfolding the effects of final-state interactions and quantum statistics in two-particle angular correlations

Thursday, 9 February 2023 09:00 (30 minutes)

Presenter: GRACZYKOWSKI, Lukasz Kamil (Warsaw University of Technology (PL))

Contribution ID: 40

Type: **not specified**

Study of multiplicity-dependent charmonia production in p+p collisions at PHENIX

Friday, 10 February 2023 09:00 (30 minutes)

Presenter: OH, Jongho (Pusan National University (KR))

Contribution ID: 41

Type: **not specified**

Systematic study of the energy loss in QGP at RHIC-PHENIX

Friday, 10 February 2023 09:30 (30 minutes)

Presenter: Dr SHIMOMURA, Maya (Nara Women's University (JP))

Contribution ID: 42

Type: **not specified**

Di-electron measurements at the LHC - status and perspectives

Friday, 10 February 2023 11:00 (30 minutes)

Presenter: APPELSHAEUSER, Harald (Goethe University Frankfurt (DE))