

Session Program

10-15 Jan 2021



The VIth International Conference on the
INITIAL STAGES
OF HIGH-ENERGY NUCLEAR
COLLISIONS



Initial Stages 2021

IS

Weizmann Institute of Science, The David Lopatie Conference Center
234 Herzl Street, Rehovot 7610001, Israel

Monday 11 January

17:00

IS: 1

Session | **Location:** vDLCC, Andrea's room 2 | **Convener:** Andrea Dainese

17:00–17:25 **Invited: Electroweak probes of the initial stages**

Speaker

Yeonju Go

17:25–17:45

Quarkonia as probe of the initial stages of the pp, pPb and PbPb collisions with ALICE

Speaker

Ophelie Bugnon

17:45–18:05 **Nuclear suppression in inelastic nucleon-nucleon cross section**

Speaker

Dr Ilkka Helenius

18:05

18:20

IS: 2

Session | **Location:** vDLCC, Andrea's room 2 | **Convener:** James Lawrence Nagle

18:20–18:40

Recent heavy-flavor and quarkonium measurements with the ATLAS detector

Speaker

Alexandre Lebedev

18:40–19:00 **Constraining the initial state through many-body observables**

Speaker

Matthew Heffernan

19:00–19:20

Probe the initial stages of the QGP and final state interactions with heavy flavor meson spectra and DDbar correlations in PbPb collisions

Speaker

Jing Wang

19:20–19:40 **Emergence of prescaling in far-from-equilibrium quark-gluon plasma**

Speaker

Bruno Sebastian Scheiing Hitschfeld

19:40

Tuesday 12 January

17:00

IS: 3

Session | **Location:** vDLCC, Andrea's room 2 | **Convener:** Mateusz Ploskon

17:00–17:20

Preequilibrium dilepton production: concepts, estimates and feasibility

Speaker

Maurice Louis Coquet

17:20–17:40

Directed, elliptic and triangular flow of D mesons in ALICE

Speaker

Grazia Luparello

17:40–18:00

Towards fully 3-D simulations of heavy-ion collisions in the IP-Glasma Initial State

Speaker

Sangyong Jeon

18:05

18:20

IS: 4

Session | **Location:** vDLCC, Andrea's room 2 | **Convener:** Peter Alan Steinberg

18:20–18:40

Accessing the initial stages of heavy ion collisions with photons

Speaker

Bjoern Schenke

18:40–19:00

Beam-energy and collision-system size dependence of the anisotropic flow measurements from STAR

Speaker

Maria Stefaniak

19:00–19:20

Correlations between flow and transverse momentum in Pb+Pb and Xe+Xe collisions with ATLAS

Speaker

Arabinda Behera

19:20–19:40

Heavy quark diffusion in an overoccupied gluon plasma

Speaker

Jarkko Peuron

19:40

Wednesday 13 January

15:30

IS: 5

Session | **Location:** vDLCC, Andrea's room 2 | **Convener:** Prof. Dinesh Srivastava

15:30–15:50

Distribution of Nuclear Matter and Radiation in the Target Fragmentation Region

Speaker

Mawande Lushozi

15:50–16:10

Dimuons from photon-photon fusion in ultraperipheral and hadronic Pb+Pb collisions with ATLAS

Speaker

Peter Alan Steinberg

16:10–16:30

Direct photon interferometry as tool to probe the space-time evolution of heavy-ion collisions

Speaker

Oscar Garcia-Montero

16:30–16:50

Pre-hydrodynamic evolution and conformal symmetry in small systems

Speaker

Prof. Tiago Jose Nunes da Silva

16:50

17:05

IS: 6

Session | **Location:** vDLCC, Andrea's room 2 | **Convener:** Roberta Araldi

17:05–17:30

Invited: Recent developments in UPC

Speaker

Brian Cole

17:30–17:50

Low-mass dielectron measurements with ALICE at the LHC

Speaker

Elisa Meninno

17:50–18:10

Observation of impact parameter dependence of $\mu^+\mu^-$ acoplanarity in ultra-peripheral PbPb collisions

Speaker

Shuai Yang

18:10–18:30

Dynamical initialization of hydrodynamics for heavy-ion collisions at Beam Energy Scan energies

18:30
18:45
19:45

Speaker
Lipei Du

IS: 7
Session | **Location:** vDLCC, Andrea's room 2 | **Convener:** Ralf Averbeck

18:45-19:05 **Nonperturbative properties of overoccupied gluonic plasmas**
Speaker
Kirill Boguslavski

19:05-19:25
Probing the initial stages of heavy ion collisions with direct photons at PHENIX
Speaker
Dr Roli Esha

19:25-19:45
Rapidity evolution of collision geometry from the improved TRENTo-3D model
Speaker
Weiyao Ke

Thursday 14 January

15:30

IS: 8

Session | **Location:** vDLCC, Andrea's room 2 | **Convener:** Christian Bierlich

15:30–15:55

Invited: Matter-Antimatter collective flows as a signature of strong initial electromagnetic fields

Speaker

Vincenzo Greco

15:55–16:15

Search for the chiral magnetic effect with spectator and participant planes in STAR

Speaker

Dr Jie Zhao

16:15–16:35

Far-From-Equilibrium Initial Conditions and the Search for the QCD Critical Point

Speaker

Travis Dore

16:35–16:55

Study of nuclear deformation effects in Au+Au and U+U collisions from STAR experiment

Speaker

Jiangyong Jia

16:55

17:10

IS: 9

Session | **Location:** vDLCC, Andrea's room 2 | **Convener:** Helen Caines

17:10–17:30

Production of $\$W\$, \$Z\$, and charged hadrons in Pb+Pb collisions with the ATLAS detector$

Speaker

Iwona Grabowska-Bold

17:30–17:50

Fixing the nuclear charge density with finite nucleons

Speaker

Mauricio Hippert

17:50–18:10

Onset of deconfinement and critical point searches in NA61/SHINE experiment at SPS

Speaker

Damian Pszczel

18:10