

## Session Program

10-15 Jan 2021

**IS2021**

The VI<sup>th</sup> 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 D $\bar{D}$ 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

**Speaker**

Lipei Du

18:30

18:45

**IS: 7**

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

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

19:45

# 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