

Session Program

Jan 10 - 15, 2021

IS2021

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



Initial Stages 2021

Poster

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

Sun, January 10

7:45 PM

Poster: A

Session | Location: vDLCC, Patio

19:45 - 21:15 **Heavy Flavor Capabilities of the sPHENIX experiment**

Speaker

Zhaozhong Shi

19:45 - 21:15

Prospects of exploring nucleon and nucleus structures in hadronic collisions with the STAR experiment in 2022 and beyond

Speaker

Mr David Kapukchyan

19:45 - 21:15

Upgrade of Monitored Drift Tube detector of the Muon spectrometer during LHC LS2

Speaker

Ali El Moussaouy

9:15 PM

7:45 PM

Poster: C

Session | Location: vDLCC, Patio

19:45 - 21:15

Measurement of the jet-particle v_2 in p-Pb collisions at $\sqrt{s_{\text{NN}}}$ = 5.02 TeV with ALICE at the LHC

Speaker

Siyu Tang

19:45 - 21:15

Measurement of the sensitivity of two particle correlations in ppp collisions at \sqrt{s} = 13 TeV to the presence of jets with the ATLAS detector

Speaker

Pengqi Yin

19:45 - 21:15

Beam-energy and system-size dependence of the high- p_T azimuthal anisotropy with the STAR experiment

Speaker

Dr Niseem Abdelrahman

19:45 - 21:15

Non-equilibrium attractor in high-temperature QCD plasmas

Speaker

Deokrat Almaalol

9:15 PM

7:45 PM

Poster: E

Session | Location: vDLCC, Patio

19:45 - 21:15

Study of Underlying Event activity in pp and p-Pb collisions at $\sqrt{s_{NN}}$ = 5.02 TeV with ALICE.**Speaker**

Ahsan Mehmood Khan

19:45 - 21:15

Probing the partonic degree of freedom in high multiplicity p-Pb at 5.02 TeV collisions.**Speaker**

Wenbin Zhao

19:45 - 21:15

Apparent modification of the jet-like yield in proton-proton collisions with large underlying event**Speaker**

Gyula Bencedi

19:45 - 21:15

The singlet, triplet and octet axial-vector form factors of the decuplet baryons in the chiral quark constituent model**Speaker**

Dr Harleen Dahiya

9:15 PM

Mon, January 11

7:40 PM

Poster: G

Session | Location: vDLCC, Patio

19:40 - 21:10

Studies of light-flavor hadron production in pp, pA and AA collisions with ALICE at the LHC

Speaker

Alessandro Balbino

19:40 - 21:10

Search for jet quenching effects in small collision systems in ALICE

Speaker

Artem Kotliarov

19:40 - 21:10

Machine Learning and Multi-Parton Interactions in pp collisions from RHIC to LHC energies

Speaker

Erik Alfredo Zepeda Garcia

19:40 - 21:10

Decoupling the rates of charmonium dissociation and recombination reactions in heavy-ion collisions at LHC energy

Speaker

Abdulla Abdulsalam

9:10 PM

7:40 PM

Poster: I

Session | Location: vDLCC, Patio

19:40 - 21:10

Kinematic dependence of the v_2 measured in small collision systems at PHENIX

Speaker

Dr Takahito Todoroki

19:40 - 21:10

Exploration of shape deformation in Uranium nuclei via flow transverse-momentum correlation from STAR

Speaker

Chunjian Zhang

19:40 - 21:10

Bayesian analysis of the Trajectum framework

Speaker

Govert Nijs

19:40 - 21:10

Multiparticle correlations from direct calculation of cumulants using the particle azimuthal angles

9:10 PM

Speaker
Shengquan Tuo

7:40 PM

Poster: K

Session | **Location:** vDLCC, Patio

19:40 - 21:10

Dielectron production in pp and p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

Speaker
Horst Sebastian Scheid

19:40 - 21:10

A collision geometry-based 3D initial condition for relativistic heavy-ion collisions

Speaker
Mrs Sahr Alzhrani

19:40 - 21:10

Jet Substructure for heavy ion collisions

Speaker
varun vaidya

19:40 - 21:10

Fluctuations of energy density in ultra-central collisions

Speaker
Liner Santos

9:10 PM

Tue, January 12

7:40 PM

Poster: M

Session | Location: vDLCC, Patio

19:40 - 21:10 **Longitudinal structure of the initial state from 3+1D CGC simulations**

Speaker

Pragya Singh

19:40 - 21:10 **Initial Motion of Nuclei After High Energy Collisions**

Speaker

Stephen Robicieux

19:40 - 21:10

Exclusive and inclusive dijet production in electron-proton and electron-nucleus collisions at small-x

Speaker

Farid Salazar

19:40 - 21:10

Hot spots and gluon field fluctuations as causes of eccentricity in small systems

Speaker

Sami Demirci

9:10 PM

7:40 PM

Poster: O

Session | Location: vDLCC, Patio

19:40 - 21:10 **Heavy quarks traversing glasma**

Speaker

Alina Czajka

19:40 - 21:10 **Spin Polarization in QGP**

Speaker

Mr Rajeev Singh

19:40 - 21:10

Dynamical evolution of electromagnetic field in out-of-equilibrium Quark-Gluon Plasma

Speaker

Li Yan

19:40 - 21:10 **Initializing BSQ Across System Size With Open Source ICCING**

Speaker

Patrick Carzon

9:10 PM

7:40 PM

Poster: Q

Session | Location: vDLCC, Patio

19:40 - 21:10

In-medium effects on kaons and antikaons observables in nucleus-nucleus collisions

Speaker

Ms Nisha Chahal

19:40 - 21:10

Thermalization time constrained by high-pt QGP tomography

Speaker

Mr Stefan Stojku

19:40 - 21:10

Light-by-light scattering in ultra-peripheral Pb+Pb collisions in the ATLAS experiment

Speaker

Agnieszka Ewa Ogrodnik

9:10 PM

Wed, January 13

7:45 PM

Poster: S

Session | Location: vDLCC, Patio

19:45 - 21:15

Toward full result for next-to-leading order dijet production in proton-nucleus collisions

Speaker

Yair Mulian

19:45 - 21:15

A novel formulation of the unintegrated gluon distribution for DIS

Speaker

Dr Yacine Mehtar-Tani

19:45 - 21:15

Using PYTHIA as an initial condition generator for hydrodynamics

Speaker

Luiza Lober

9:15 PM

7:45 PM

Poster: U

Session | Location: vDLCC, Patio

19:45 - 21:15

Characterizing system dynamics with two-particle transverse momentum correlations in pp, p-Pb, and Pb-Pb collisions at ALICE

Speaker

Mr Victor Gonzalez

19:45 - 21:15

Probing quark-gluon plasma at “mesoscopic scale” via jet-medium interaction

Speaker

Yi Yin

19:45 - 21:15

Properties of the strongly intensive observable Σ in high energy pp collisions in a string fusion model

Speaker

Vladimir Vechernin

9:15 PM

7:45 PM

Poster: W

Session | Location: vDLCC, Patio

19:45 - 21:15

Multiplicity dependence of charged jet properties in pp collisions at $\sqrt{s} = 13$ TeV with ALICE

Speaker

Ms Debjani Banerjee

19:45 - 21:15

Sensitivity of jet quenching to the initial geometry in Pb+Pb collisions with ATLAS

Speaker

Timothy Thomas Rinn

19:45 - 21:15

Jet momentum broadening in real-time lattice simulations of the glasma

Speaker

David Mueller

19:45 - 21:15

Monte Carlo for initial energy density with correlated fluctuations

Speaker

Mr Rodrigo Franco

9:15 PM