

Session Program

31 May 2020 to 5 June 2020



10th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions

Parallel

Online

Monday 1 June

11:00

Parallel: A4 - Initial State I

Session | Location: <https://cern.zoom.us/j/94175375478> | Convener: Kari J. Eskola

11:00-11:20

Evidence for top quark production in nucleus-nucleus collisions with the CMS experiment

Speaker

Dr Georgios Krintiras

11:20-11:40

Photoproduction of J/ψ -mesons off deuteron in d+Au Ultra-Peripheral Collisions using the STAR detector

Speaker

Zhoudunming Tu

11:40-12:00

Dipole model at Next-to-Leading Order meets HERA data

Speaker

Henri Hänninen

12:00-12:20

Finite N_c corrections in the Balitsky-Kovchegov equation at next-to-leading order

Speaker

Andreacia Ramnath

12:20-12:40

Measurements of v_n at high- $p_{\mathbf{T}}$ and correlation between v_n and mean- $p_{\mathbf{T}}$ in p +Pb collisions with the ATLAS detector

Speaker

Tomasz Bold

12:40

12:55

Parallel: B4 - Initial State II

Session | Location: <https://cern.zoom.us/j/98247031120> | Convener: Jamal Jalilian-Marian

12:55-13:15

Angular de-correlation of forward di-hadrons: on the optimal $p_{\mathbf{T}}$ range to probe gluon saturation

Speaker

Shu-yi Wei

13:15-13:35

Forward quark jet-nucleus scattering in a light-front Hamiltonian approach

Speaker

Meijian Li

13:35-13:55

Study of in-medium momentum broadening with photon-jet momentum correlations in PbPb collisions at 5.02 TeV in the CMS experiment

Speaker
Molly Taylor

13:55-14:15

Exploring potential jet modification in small collision systems with two particle correlations at PHENIX

Speaker
Cheuk-Ping Wong

14:15

Tuesday 2 June

11:00

Parallel: C4 - Initial State III

Session | Location: <https://cern.zoom.us/j/95369854176> | Convener: Wei Li

11:00-11:20

Recent quarkonium measurements in small systems with the ALICE detector at the LHC

Speaker

Manuel Guittiere

11:20-11:40

PHENIX results on J/ψ from small systems

Speaker

Sanghoon Lim

11:40-12:00

Recent ALICE results on photon-induced J/ψ production

Speaker

Valeri Pozdniakov

12:00-12:20

ATLAS measurement of azimuthal anisotropies in Z -boson tagged $p\bar{p}$ collisions at 8 and 13 TeV and in ultra-peripheral Pb+Pb collisions at 5.02 TeV

Speaker

Blair Daniel Seidlitz

12:20-12:40

Measurement of electroweak-boson production in p-Pb and Pb-Pb collisions at the LHC with ALICE

Speaker

Guillaume Taillepied

12:40

12:55

Parallel: D4 - Initial State IV

Session | Location: <https://cern.zoom.us/j/97396361745> | Convener: Jacquelyn Noronha-Hostler

12:55-13:15

Dependence of semi-inclusive jet and high- p_T charged particle production on event activity at high backward-rapidity in $\sqrt{s_{\text{NN}}} = 200$ GeV $p\bar{p}+Au$ collisions at STAR

Speaker

David Stewart

13:15-13:35

Fully coherent energy loss effects on light and open heavy-flavour hadrons in pA collisions

Speaker

Francois Arleo

13:35-13:55

Probing the gluonic initial state with inclusive dijets in pPb and exclusive dijets in ultra-peripheral PbPb collision at $\sqrt{s_{\text{NN}}} = 5.02$ TeV with the CMS experiment

Speaker

Aleksandr Bylinkin

13:55-14:15

Probing gluon saturation through precision studies of inclusive dijet and photon+dijet production in e+A DIS at small x

Speaker

Kaushik Roy

14:15

Wednesday 3 June

10:30

Parallel: E4 - Initial State V

Session | **Location:** <https://cern.zoom.us/j/94475079687> | **Convener:** Anthony Robert Timmins

10:30-10:50

ATLAS measurements of transverse and longitudinal flow decorrelations in Xe+Xe, Pb+Pb, and p+p collisions

Speaker

Arabinda Behera

10:50-11:10

Chemical equilibration of QGP in hadronic collisions

Speaker

Dr Aleksas Mazeliauskas

11:10-11:30

Kinetic and Chemical Equilibration of Quark-Gluon Plasma

Speaker

Xiaojian Du

11:30-11:50

Influence of the Multiplicity Fluctuations Distribution on Initial Conditions

Speaker

Patrick Carzon

11:50-12:10

What attracts to attractors? What attracts to attractors?

Speaker

Wilke Van Der Schee

12:10

12:25

Parallel: F4 - New Theoretical Developments I

Session | **Location:** <https://cern.zoom.us/j/95672106059> | **Convener:** Raju Venugopalan

12:25-12:45

Entanglement, partial set of measurements, and diagonality of the density matrix in the parton model

Speaker

Dr Vladimir Skokov

12:45-13:05

The problem of overlapping formation times: A complete result for QCD

Speaker

Dr Shahin Iqbal

13:05-13:25

On gauge invariance of transverse momentum dependent distributions at small x

Speaker

Dr Yacine Mehtar-Tani

13:25-13:45

QCD Correlations in Multiple Gluon Bremsstrahlung

Speaker

William Alexander Horowitz

13:45-14:05

Revisiting heavy quark radiative energy loss in nuclei with in the high-twist approach

Speaker

Dr Yilun Du

14:05

Thursday 4 June

10:35

Parallel: G4 - New Experimental Developments

Session | **Location:** <https://cern.zoom.us/j/91015887534> | **Convener:** Harald Appelshaeuser

10:35-10:55 **Heavy flavor and jet studies for the future Electron Ion Collider**

Speaker

Xuan Li

10:55-11:15 **LHC Run 3 and Run 4 prospects for heavy-ion physics with LHCb**

Speaker

Samuel Belin

11:15-11:35

Prospects for new measurements using advanced silicon technologies in ALICE

Speaker

Marco Van Leeuwen

11:35-11:55

New opportunities in heavy ion physics at HL-LHC with a MIP Timing Detector at the CMS experiment

Speaker

Geonhee Oh

11:55-12:15

The Forward Rapidity Upgrade for the STAR Detector

Speaker

Dr James Brandenburg

12:15

12:30

Parallel: H4 - New Theoretical Developments II

Session | **Location:** <https://cern.zoom.us/j/92876160206> | **Convener:** Hannah Elfner

12:30-12:50

Heavy flavor hadronization and hadron chemistry in heavy-ion collisions

Speaker

Shanshan Cao

12:50-13:10

Lattice QCD calculation of \hat{q} with dynamical fermions

Speaker

Amit Kumar

13:10-13:30

Beyond the wake: Hydrodynamic and non-hydrodynamic response of an expanding Quark-gluon plasma to a moving energetic probe

Speaker

Dr Yi Yin

13:30-13:50

Photon-jet angular correlations in high energy proton-nucleus collisions: from low to high transverse momenta

Speaker

Jamal Jalilian-Marian

13:50–14:10

Photon radiation in hot nuclear matter by means of chiral anomalies

Speaker

Prof. Kirill Tuchin

14:10