

Session Program

7-14 Sept 2018



Hot Quarks 2018

Session

Saturday 8 September

09:00

Session: Jets

Session | Convener: Jana Bielcikova

09:00–09:10 **Welcome, remarks**

Speaker

Alessandro Grelli

09:10–09:45 **Review of Jets in the vacuum and in the medium**

Speaker

Megan Elizabeth Connors

09:45–10:05 **Coherence effects in multiple medium-induced radiation**

Speaker

Mr Victor Villa

10:05–10:25

Testing reliability of the soft-gluon approximation in calculating radiative energy loss of high p_{\perp} particles

Speaker

Bojana Blagojevic

10:25–10:50 **Coffee Break**

10:50–11:10

Multiplicity dependence of the jet structures in pp collisions at LHC energies

Speaker

Zoltán Varga

11:10–11:30

Event plane dependence of jet-hadron correlations in Au–Au collisions at $\sqrt{s_{NN}}=200$ GeV with the STAR detector at RHIC

Speaker

Joel Anthony Mazer

11:30–11:50

Event activity measurements and mid-rapidity correlations in 200 GeV p+Au collisions at STAR

Speaker

David Stewart

11:50–12:50 **Discussion session**

13:00

Sunday 9 September

09:00

Session: Initial State, CGC, jets

Session | Convener: Hannah Petersen

09:00–09:35 **Review of Initial state, color glass condensate, and EIC physics**

Speaker

Maria Pia Zurita

09:35–09:55 **Photons as probes of gluon saturation in dilute+dense collisions.**

Speaker

Oscar Garcia Montero

09:55–10:15 **The Angantyr model for heavy-ion physics in PYTHIA8**

Speaker

Harsh Shah

10:15–10:40 **Coffee Break**

10:40–11:00

HIJING++, a Heavy Ion Jet Interaction Generator for the High-luminosity Era of the LHC and Beyond

Speaker

Gabor Biro

11:00–11:20

Forward-backward correlations and multiplicity \sqrt{s} fluctuations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV from ALICE at the LHC

Speaker

Iwona Anna Sputowska

11:20–11:40

Multiplicity dependence of heavy-flavour hadron decay electron production in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV measured with ALICE at the LHC

Speaker

Preeti Dhankher

11:40–12:40 **Discussion**

13:00

Monday 10 September

09:00

Session: Hydrodynamics, collectivity

Session | Convener: Jorge Noronha

09:00–09:35

Study of Bulk properties of QCD matter and hydrodynamical description of heavy-ion collisions

Speaker

Gabriel Denicol

09:35–09:55

Bulk observables within a hybrid approach for heavy ion collisions with SMASH afterburner

Speaker

Sangwook Ryu

09:55–10:15

Deuterons at LHC: "snowballs in hell" via hydrodynamics and hadronic afterburner

Speaker

Dmytro Oliinychenko

10:15–10:35

Coffee Break

10:35–10:55

Anisotropic hydrodynamics for heavy-ion collisions at LHC and RHIC

Speaker

Mubarak Alqahtani

10:55–11:15

Measurements of anisotropic flow in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV using the ALICE detector

Speaker

Jonatan Adolfsson

11:15–11:35

Mesonic resonance production in p-Pb, Pb-Pb and Xe-Xe collisions with ALICE at the LHC

Speaker

Dukhishyam Mallick

11:35–12:35

Discussion

13:00

Tuesday 11 September

09:00

Session: Critical point, BES, baryons, correlations

Session | Convener: Alessandro Grelli

09:00–09:35 **Review on Critical point searches and review of BES studies**

Speaker

Fabian Rennecke

09:35–09:55 **Diffusion of conserved charges in relativistic heavy ion collisions**

Speaker

Jan Fotakis

09:55–10:15 **Can Baryon Stopping be understood within the String Model?**

Speaker

Justin Mohs

10:15–10:48 **Coffee Break**

10:50–11:10 **Locating the QCD critical point using holographic black holes**

Speaker

Israel Portillo

11:10–11:30

Holographic Bjorken flow of a hot and dense fluid in the vicinity of a critical point

Speaker

Renato Critelli

11:30–12:30 **Discussion**

12:30–13:00 **Group Picture**

13:00

Wednesday 12 September

09:00

Session: Heavy flavor, dileptons, photons, jets

Session | Convener: Anthony Robert Timmins

09:00–09:35 **Review of Heavy-Flavour production at LHC and RHIC**

Speaker

Andrea Dubla

09:35–09:55

Thermodynamics and fluctuations-correlations of conserved charges in a hadron resonance gas model with attractive and repulsive interaction within S-matrix formalism

Speaker

SUBHASIS SAMANTA

09:55–10:15

Insight into thermal modifications of quarkonia from a comparison of continuum-extrapolated lattice results to perturbative QCD

Speaker

Anna-Lena Kruse

10:15–10:40 **Coffee Break**

10:40–11:00

Probing QCD deconfinement with sequential quarkonium suppression of three $Y(nS)$ states with the CMS detector

Speaker

Santona Tuli

11:00–11:20 **Quarkonia production in a Langevin approach**

Speaker

Nadja Krenz

11:20–11:40

Production of open-charm hadrons in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV measured by the STAR experiment

Speaker

Jan Vaněk

11:40–12:40 **Discussion**

13:00

Thursday 13 September

09:00

Session: UPC, jets, heavy-flavours

Session | Convener: Anthony Robert Timmins

09:00–09:35 **Review on UPC related production in heavy ion collisions**

Speaker

Wangmei Zha

09:35–09:55

J/ψ photo-production in peripheral and ultra-peripheral Pb-Pb collisions with ALICE

Speaker

Zhuo Zhou

09:55–10:15

Measurements of the Upsilon meson production in Au+Au collisions by the STAR experiment

Speaker

Oliver Matonoha

10:15–10:40 **Coffee Break**

10:40–11:00 **Dielectron production in pp collisions at $\sqrt{s} = 7$ TeV with ALICE**

Speaker

Horst Sebastian Scheid

11:00–11:20

Dielectron production in pp collisions at $\sqrt{s} = 13$ TeV measured in a dedicated low magnetic-field setting with ALICE

Speaker

Jerome Jung

11:20–11:40

Open charm and bottom production with dielectrons in pp collisions at $\sqrt{s} = 13$ TeV with ALICE

Speaker

Anisa Dashi

11:40–12:40 **Discussion**

13:00