

**Session Program**

**28 July 2020 to 6 August 2020**

**ICHEP 2020**

***Heavy Ions***

virtual conference

## Tuesday 28 July

15:30

### Heavy Ions: Session I - Premiere

**Session** | **Location:** virtual conference | **Conveners:** Dennis Perepelitsa, Dr Barbara Antonina Trzeciak

15:30–15:54

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

**Speaker**

Mingrui Zhao

15:54–16:18

#### Quarkonia photo-production and Z production in heavy ion collisions

**Speaker**

Giulia Manca

16:18–16:42

#### Electroweak probes in heavy-ion collisions with ATLAS

**Speaker**

Jakub Andrzej Kremer

16:42–17:06

#### Considerations on the suppression of charged particle production in high energy heavy ion collisions

**Speaker**

Mihai Petrovici

17:06–17:30

#### Jets and medium evolution in Pb-Pb collisions at the LHC energies from the EPOS initial state

**Speaker**

Dr Iurii Karpenko

17:30–17:54

#### Jet production and fragmentation at colliders

**Speaker**

Alexandre Shabetai

17:54–18:06

#### Coffee break

18:06–18:30

#### Jet Measurements in Heavy Ion Collisions with the ATLAS Experiment

**Speaker**

Helena Santos

18:30–18:54

#### Universal features of the medium-induced gluon cascade and jet quenching in expanding media

**Speaker**

Dr Souvik Priyam Adhya

18:54–19:18

#### Overview of the latest jet physics results from ALICE

**Speaker**  
James Mulligan

19:18-19:42

**Jet quenching and effects of non-Gaussian transverse-momentum broadening on di-jet observables**

**Speaker**  
Krzysztof Kutak

19:42-20:06

**Hard probes in heavy ion collisions with CMS**

**Speaker**  
Xiao Wang

20:06-20:30

**Precision Jet/Event Substructure Using Collinear Drop**

**Speaker**  
Dr Yang-Ting Chien

20:30

# Wednesday 29 July

08:00

## Heavy Ions: Session I - Replay

**Session** | **Location:** virtual conference

13:00

## Heavy Ions: Session II - Premiere

**Session** | **Location:** virtual conference | **Convener:** Arturo Fernandez Tellez

15:30

15:30–15:54 **Electron-Ion Collisions at the LHeC and FCC-eh**

**Speaker**

Dr Heikki Mäntysaari

15:54–16:18 **Nuclear shadowing in DIS for future electron-ion colliders**

**Speaker**

Dr Michal Krelina

16:18–16:42

**Self-similarity, fractality and entropy principle in collisions of hadrons and nuclei at Tevatron, RHIC and LHC**

**Speaker**

Dr Imrich Zborovsky

16:42–17:06

**Effects of initial state fluctuations on non-equilibrium phase transition on pp collisions at LHC energies**

**Speaker**

Irais Bautista Guzman

17:06–17:30 **Tau g-2**

**Speaker**

Lydia Audrey Beresford

17:30–17:54

**Fire-streaks, electromagnetic effects, directed flow and lifetime of the plasma at SPS energies**

**Speaker**

Dr Vitalii Ozvenchuk

17:54–18:06 **Coffee break**

18:06–18:30 **Quantum tomography for Collider Physics**

**Speaker**

Prof. Daniel Tapia Takaki

18:30–18:54 **Diffraction and exclusive processes in heavy ion collisions with CMS**

**Speaker**

Aleksandr Bylinkin

18:54-19:18

**Coherent photoproduction of  $J/\psi$  in nucleus-nucleus collisions in the color dipole approach**

**Speaker**

Agnieszka Łuszczak

19:18-19:42

**Measurements of  $J/\psi$  photoproduction in ultra-peripheral collisions at RHIC**

**Speaker**

Jaroslav Adam

19:42-20:06

**Vector meson photoproduction in ultra-peripheral Pb-Pb collisions at the LHC with ALICE**

**Speaker**

Valeri Pozdniakov

20:30

# Thursday 30 July

01:00

## Heavy Ions: Session II - Replay

**Session** | **Location:** virtual conference

06:00

08:00

## Heavy Ions: Session III - Premiere

**Session** | **Location:** virtual conference | **Convener:** Andrea Rossi

08:00–08:24

### Dilepton measurements with ALICE at the LHC

**Speaker**

Jerome Jung

08:24–08:48

### Dielectron production: QGP versus photon -- photon mechanism

**Speaker**

Wolfgang Schaefer

08:48–09:12

### Bottomonium measurements in nucleus-nucleus and proton-nucleus collisions with ALICE

**Speaker**

Robin Caron

09:12–09:36

### Overview of Upsilon production studies performed with the STAR experiment

**Speaker**

Dr Leszek Kosarzewski

09:36–10:00

### Measurement of charmonium production in Pb-Pb and p-Pb collisions at the LHC with ALICE

**Speaker**

Alexandra Neagu

10:00–10:24

### Quarkonia and open heavy flavor production in pA collisions

**Speaker**

Jiayin Sun

10:24–10:36

### Coffee break

10:36–11:00

### X(3872) production in pp with particle multiplicity

**Speaker**

Andrii Usachov

11:00–11:24

### Latest results on light (anti-)nuclei production in Pb-Pb collisions with ALICE at the LHC

**Speaker**

Chiara Pinto

11:24-11:48

**Soft probes in heavy ion collisions with CMS****Speaker**

Serguei Petrushanko

11:48-12:12

**Open heavy-flavour production from small to large collision systems with ALICE at the LHC****Speaker**

Lucas Anne Vermunt

12:12-12:36

**Measurements of open charm hadrons in Au+Au collisions at  $\sqrt{s_{\text{NN}}}$  = 200 GeV by the STAR experiment****Speaker**

Lukas Kramarik

12:36-13:00

**Beauty production and anisotropy with ALICE at the LHC****Speaker**

Xinye Peng

13:00

15:30

20:30

**Heavy Ions: Session III - Replay****Session** | **Location:** virtual conference

## Friday 31 July

08:00

### Heavy Ions: Session IV - Premiere

**Session** | **Location:** virtual conference | **Convener:** Barbara Antonina Trzeciak

08:00–08:24

#### Exploring the QCD phase diagram in the region of highest $\mu_B$ with HADES

**Speaker**

Manuel Lorenz

08:24–08:48

#### The Shape of the Correlation Function

**Speaker**

Jakub Cimerman

08:48–09:12

#### Characterizing the particle-emitting source using femtoscopy in pp collisions at ALICE

**Speaker**

Andreas Mathis

09:12–09:36

#### Search for long range flow-like correlation in hadronic $e^+e^-$ collisions with Belle

**Speaker**

Yu-Chen Chen

09:36–10:00

#### Two-particle azimuthal correlations as a probe of collective behaviour in deep inelastic ep scattering at HERA

**Speaker**

Achim Geiser

10:00–10:24

#### Recent ATLAS measurements of correlations in $pp$ and $pPb$ collisions

**Speaker**

Adam Trzupek

10:24–10:36

#### Coffee break

10:36–11:00

#### Universality in High Energy Collisions of small and large systems

**Speaker**

Paolo Castorina

11:00–11:24

#### Spin alignment measurements of vector mesons with ALICE at the LHC

**Speaker**

Bedangadas Mohanty

11:24–11:48

#### Hadronic resonance production measured by ALICE at the LHC



**Speaker**

Paraskevi Ganoti

11:48-12:12

**Geometry and Dynamics in Heavy-ion Collisions Seen by the Femtoscopy Method in the STAR experiment****Speaker**

Prof. Hanna Zbroszczyk

12:12-12:36

**Recent ATLAS measurements of correlations in Pb+Pb and Xe+Xe collisions****Speaker**

Krzysztof Wieslaw Wozniak

12:36-13:00

**Constraining the transport properties of quark-gluon plasma with latest flow measurements in ALICE****Speaker**

Vytautas Viskavicius

13:00

15:30

20:30

**Heavy Ions: Session IV - Replay****Session** | **Location:** virtual conference