

Session Program

10-17 Jul 2019



EPS-HEP2019

QCD and Hadronic Physics

Ghent

International Convention Center and Ghent University - Campus Ledeganck, Ghent, Belgium

Thursday 11 July

14:30

QCD and Hadronic Physics

Session | **Location:** Ghent, ICC - Baeckeland 3 | **Conveners:**
Marek Schoenherr, Gabor Veres, Bogdan Malaescu, Mikko Voutilainen

14:30–14:45

The role of angular ordering condition in Parton Branching transverse momentum dependent (TMD) PDFs and DY transverse momentum spectrum at LHC

Speaker

Aleksandra Lelek

14:45–15:00

Exotic and Conventional Quarkonium Physics Prospects at Belle II

Speaker

Klemens Lautenbach

15:00–15:15

Pseudoscalar current transition form factors of the delta in baryon chiral perturbation theory

Speaker

Dr Yasemin Ünal

15:15–15:30

The $\{\gamma^* \rightarrow \eta_c(1S,2S)\}$ transition form factor from quarkonium wave functions

Speaker

Ms Izabela Babiarz

15:30–15:45

The onset of spin rotation effects in electroproduction of heavy quarkonia

Speaker

Dr Michal Krelina

15:45–16:00

Color-allowed Bottom Baryon to $s\bar{s}$ -wave and $p\bar{p}$ -wave Charmed Baryon non-leptonic Decays

Speakers

Chun-Kiang Chua, Chung Tah Chua

16:00–16:30

Coffee break

16:30–17:00

Physics at FCC-ee

Speaker

Tadeusz Lesiak

17:00–17:15

Precision QCD with the LHeC and the FCC-eh

Speaker

Amanda Sarkar

17:15–17:30

QCD Monte Carlo model tuning studies with CMS data at 13 TeV

Speaker

Roberto Covarelli

17:30–17:45

Measurements of multiparton interactions at ATLAS**Speaker**

Tim Martin

17:45–18:00

Determination of proton parton distribution functions using ATLAS data**Speaker**

Francesco Giuli

18:00–18:15

PDF Profiling Using the Forward-Backward Asymmetry in Neutral Current Drell-Yan**Speaker**

Dr Francesco Giuli

18:15–18:30

Further studies of isolated photon production with a jet in deep inelastic scattering at HERA**Speaker**

Katsuo Tokushuku

18:30

Friday 12 July

09:00

QCD and Hadronic Physics

Session | **Location:** Ghent, Campus Ledeganck - Aud. 6 | **Conveners:**
Mikko Voutilainen, Marek Schoenherr, Gabor Veres, Bogdan Malaescu

09:00–09:15

Event Generation and Statistical Sampling with Deep Generative Models and a Density Information Buffer

Speaker

Sydney Otten

09:15–09:30

Measurement of jet substructure observables using the ATLAS detector

Speaker

Miguel Villaplana

09:30–09:45

Measurement of jet fragmentation using the ATLAS detector

Speaker

Miguel Villaplana

09:45–10:00

Studies of Jet Fragmentation and Hadronisation at LHCb

Speaker

Fred Blanc

10:00–10:15

All master integrals for three-jet production at NNLO

Speaker

Dmitry Chicherin

10:15–10:30

Integrand reduction for two-loop five-point amplitudes

Speaker

Heribertus Bayu Hartanto

10:30–10:45

Opportunities and Challenges of Standard Model Production Cross Section Measurements at 8 TeV using CMS Open Data

Speaker

Matthias Schott

10:45–11:00

Investigation of parton densities at very high x

Speaker

Ritu Aggarwal

11:00–11:30

Coffee break

11:30–11:45

Generalized Parton Distributions from charged current meson production

Speaker

Marat Siddikov

11:45-12:00

Transverse Momentum Dependent splitting kernels from kT-factorization**Speaker**

Martin Hentschinski

12:00-12:15

Results and prospects with the CMS-TOTEM Precision Proton Spectrometer**Speaker**

Laurent Forthomme

12:15-12:30

Measurements of single diffraction using forward proton tagging at ATLAS**Speaker**

Tomas Sykora

12:30-12:45

Studies of Central Exclusive Production and Soft QCD phenomena at LHCb**Speaker**

Stephen Farry

12:45-13:00

Searches for Dark Matter at the LHC in forward proton mode**Speaker**

Marek Tasevsky

13:00

14:30

QCD and Hadronic Physics**Session** | **Location:** Ghent, Campus Ledeganck - Aud. 6 | **Conveners:**
Gabor Veres, Mikko Voutilainen, Bogdan Malaescu, Marek Schoenherr

14:30-14:45

Study of e^+e^- annihilation into hadrons with the SND detector at the VEPP-2000 collider**Speaker**

Vladimir Druzhinin

14:45-15:00

Low energy hadron physics at KLOE/KLOE-2**Speaker**

xiaolin kang

15:00-15:15

Measurement of hadronic cross sections at CMD-3**Speaker**

Vyacheslav Ivanov

15:15-15:30

Recent results on production and decay of quarkonium states at BABAR**Speakers**

Guy Wormser, Guy Henri Maurice Wormser, Guy Wormser

15:30-15:45

Reevaluation of the hadronic vacuum polarisation contributions to the Standard Model predictions of the muon $g-2$ using newest hadronic cross-section data and analyticity and unitarity constraints

Speaker
Zhiqing Philippe Zhang

15:45–16:00 **Analytical results for hadronic contributions to the muon $g-2$**

Speaker
Prof. Johan Bijmens

16:00–16:30 **Coffee break**

16:30–16:45 **The strong coupling from $e+e-$ to hadrons**

Speaker
Diogo Boito

16:45–17:00 **Soft drop thrust in lepton collisions**

Speaker
Prof. Zoltan Laszlo Trocsanyi

17:00–17:15

Determination of the strong coupling constant $\alpha_s(m_Z)$ in next-to-next-to-leading order QCD using H1 jet cross section measurements

Speaker
Eram Syed Rizvi

17:15–17:30

Diffractive PDF determination from HERA inclusive and jet data at NNLO QCD

Speaker
Radek Zlebcik

17:30–17:45 **NNLO QCD fits to extract PDFs from HERA inclusive and jet data**

Speaker
Amanda Sarkar

17:45–18:00 **Inclusive jet results from CMS Experiment**

Speaker
Mr Suman Chatterjee

18:00–18:15

New insights into proton structure and QCD parameters using CMS measurements.

Speaker
Katerina Lipka

18:15–18:30

Measurements of dijet azimuthal decorrelations and extraction of α_S at ATLAS

Speaker
Eram Syed Rizvi

18:30

Saturday 13 July

09:00

QCD and Hadronic Physics

Session | **Location:** Ghent, ICC - Baekeland 1 | **Conveners:**
Marek Schoenherr, Gabor Veres, Bogdan Malaescu, Mikko Voutilainen

09:00–09:15 **Heavy flavor production at LHCb**

Speaker
Andrii Usachov

09:15–09:30 **Measurements of heavy-flavor production at CMS**

Speaker
Aliya Nigamova

09:30–09:45

D mesons and charmed baryon production in small systems with ALICE

Speaker
Jeremy Wilkinson

09:45–10:00

Measurement of heavy-quark production via dielectrons in pp and p-Pb collisions with ALICE at the LHC

Speaker
Horst Sebastian Scheid

10:00–10:15

Combination and QCD analysis of charm and beauty production cross-section measurements in deep inelastic ep scattering at HERA

Speaker
Achim Geiser

10:15–10:30 **Baryon spectroscopy at Belle**

Speaker
Yuji Kato

10:30–10:45

Spectroscopy using decays of b-hadrons to charmonium at LHCb, including exotic states

Speaker
Biplab Dey

10:45–11:00 **Flavor-exotic tetraquarks in large- N_c QCD: do they exist?**

Speaker
Dmitri Melikhov

11:00–11:30 **Coffee break**

11:30–11:45 **Effects of saturation in high-multiplicity pp collisions**

Speaker

Boris Kopeliovich

11:45-12:00

Particle production as a function of system size and underlying-event activity measured with ALICE at the LHC**Speaker**

Mario Kruger

12:00-12:15

Production of $\chi_c(i) \chi_c(j)$ pairs in proton-proton collisions in k_t -factorization and collinear approaches**Speaker**

Wolfgang Schaefer

12:15-12:30

Production and modification of hadronic resonances measured with ALICE**Speaker**

Jihye Song

12:30-12:45

Dissociative production of vector mesons as a new tool to study gluon saturation at electron-ion colliders**Speaker**

Dagmar Bendova

12:45-13:00

Color propagation in eA from CLAS at Jefferson Lab**Speaker**

Mineeva Taisiya

13:00