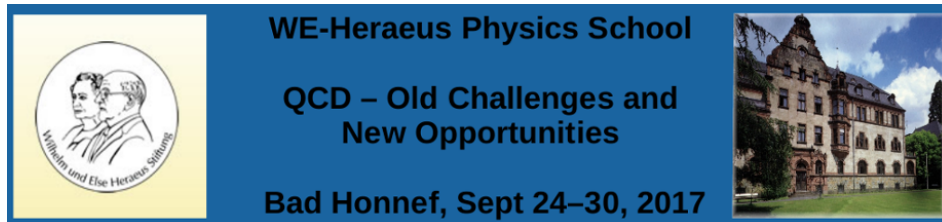


# QCD - Old Challenges and New Opportunities



## Report of Contributions

Contribution ID: 1

Type: **not specified**

## Welcome and introduction

*Sunday, September 24, 2017 9:00 AM (10 minutes)*

**Presenters:** SZCZUREK, Antoni (Institute of Nuclear Physics); SCHICKER, Rainer (Ruprecht Karls Universitaet Heidelberg (DE))

Contribution ID: 2

Type: **not specified**

# **A first look at proton structure and the emergence of QCD**

*Sunday, September 24, 2017 9:10 AM (50 minutes)*

**Presenter:** MARTIN, Alan

Contribution ID: 3

Type: **not specified**

## **Soft and hard QCD processes at the TEVATRON**

*Sunday, September 24, 2017 10:00 AM (1 hour)*

**Presenter:** MESROPIAN, Christina (Rockefeller University (US))

Contribution ID: 4

Type: **not specified**

## **Parton distributions in QCD I**

*Sunday, September 24, 2017 11:20 AM (50 minutes)*

**Presenter:** MARTIN, Alan

Contribution ID: 5

Type: **not specified**

## **Soft and hard QCD processes at RHIC**

*Sunday, September 24, 2017 12:10 PM (1 hour)*

**Presenter:** PRZYBYCIEN, Mariusz (AGH Univesity of Science and Technology (PL))

Contribution ID: 6

Type: **not specified**

## **Parton distributions in QCD II**

*Sunday, September 24, 2017 2:30 PM (1 hour)*

**Presenter:** MARTIN, Alan

Contribution ID: 7

Type: **not specified**

## **Soft and hard QCD processes at HERA**

*Sunday, September 24, 2017 3:30 PM (1 hour)*

**Presenter:** WICHMANN, Katarzyna (Deutsches Elektronen-Synchrotron (DE))



Contribution ID: 8

Type: **not specified**

## **Multiparticle production in QCD at high energies**

*Sunday, September 24, 2017 5:00 PM (1h 45m)*

**Presenter:** VENUGOPALAN, Raju (Brookhaven National Laboratory)

Contribution ID: 9

Type: **not specified**

## **The 3-dimensional nucleon structure in QCD**

*Monday, September 25, 2017 9:00 AM (1h 45m)*

**Presenter:** ANSELMINO, Mauro (Torino University and INFN)

Contribution ID: **10**

Type: **not specified**

## **QCD-inspired model predictions of forward observables at the LHC and beyond**

*Monday, September 25, 2017 11:15 AM (1h 45m)*

**Presenter:** JENKOVSKY, Laszlo L.

Contribution ID: 11

Type: **not specified**

## **Double parton distributions and their applications**

*Monday, September 25, 2017 2:30 PM (1 hour)*

**Presenter:** GOLEC-BIERNAT, Krzysztof (Institute of Nuclear Physics, Cracow)

Contribution ID: 12

Type: **not specified**

## **xFitter project - a framework for QCD studies**

*Monday, September 25, 2017 3:30 PM (1 hour)*

**Presenter:** LUSZCZAK, Agnieszka

Contribution ID: 13

Type: **not specified**

## Soft and hard QCD processes in CMS

*Monday, September 25, 2017 5:00 PM (1 hour)*

**Presenter:** SUNAR CERCI, Deniz (Adiyaman University (TR))

Contribution ID: 14

Type: **not specified**

## Poster session - Flash talks

*Monday, September 25, 2017 6:00 PM (1 hour)*

Poster flash talks

Contribution ID: 15

Type: **not specified**

## Ultra-peripheral collisions with ALICE

*Monday, September 25, 2017 8:00 PM (20 minutes)*

**Presenter:** LAVICKA, Roman (Czech Technical University (CZ))

**Session Classification:** Evening session



Contribution ID: 16

Type: **not specified**

## **A quick look to the current potential for studying diffraction at the ALICE experiment at the LHC**

*Monday, September 25, 2017 8:20 PM (20 minutes)*

**Presenter:** CALVO VILLAR, Ernesto (Pontificia Universidad Catolica del Peru (PE))

**Session Classification:** Evening session

Contribution ID: 17

Type: **not specified**

## **Soft QCD in exclusive reactions at high energies**

*Monday, September 25, 2017 8:40 PM (20 minutes)*

**Presenter:** LEBIEDOWICZ, Piotr (Institute of Nuclear Physics PAN)

**Session Classification:** Evening session

Contribution ID: **18**

Type: **not specified**

## **Dynamical survival factor in jet-gap-jet processes**

*Monday, September 25, 2017 9:00 PM (20 minutes)*

**Presenter:** BABIARZ, Izabela

**Session Classification:** Evening session

Contribution ID: 19

Type: **not specified**

## **Inverse mathematics for QCD diffraction**

*Monday, September 25, 2017 9:20 PM (20 minutes)*

**Presenter:** MIESKOLAINEN, Matti Mikael (Helsinki Institute of Physics (FI))

**Session Classification:** Evening session

Contribution ID: 20

Type: **not specified**

## **Exclusive processes as a channel to search for invisible particles**

*Monday, September 25, 2017 9:40 PM (20 minutes)*

**Presenter:** STASZEWSKI, Rafał (IFJ PAN Cracow (PL))

**Session Classification:** Evening session

Contribution ID: 21

Type: **not specified**

## **The excited baryon mass spectrum: within chiral quark soliton model**

*Monday, September 25, 2017 8:00 PM (20 minutes)*

**Presenter:** JUN, Yuson

**Session Classification:** Evening session

Contribution ID: 22

Type: **not specified**

## **Mass splittings of heavy baryons within the SU(3) chiral quark-soliton model**

*Monday, September 25, 2017 8:20 PM (20 minutes)*

**Presenter:** KIM, June-Young

**Session Classification:** Evening session

Contribution ID: 23

Type: **not specified**

## **S-matrix approach to hadron gas**

*Monday, September 25, 2017 8:40 PM (20 minutes)*

**Presenter:** LO, Pok Man

**Session Classification:** Evening session



Contribution ID: 24

Type: **not specified**

## Finite-volume scaling of Polyakov loop susceptibilities

*Monday, September 25, 2017 9:00 PM (20 minutes)*

**Presenter:** SZYMANSKI, Michal

**Session Classification:** Evening session

Contribution ID: 25

Type: **not specified**

## **The Tensor-Pomeron concept for soft and hard reactions in QCD**

*Tuesday, September 26, 2017 9:00 AM (1h 45m)*

**Presenter:** NACHTMANN, Otto (U)

Contribution ID: 26

Type: **not specified**

## **Schwinger-Dyson approach to QCD**

*Tuesday, September 26, 2017 11:15 AM (1h 45m)*

**Presenter:** PENNINGTON, Michael (Jefferson Lab)

Contribution ID: 27

Type: **not specified**

## QCD at the energy frontier

*Tuesday, September 26, 2017 2:30 PM (1h 45m)*

**Presenter:** KRAUSS, Frank Martin (University of Durham (GB))

Contribution ID: **28**

Type: **not specified**

## **QCD at the Electron-Ion Collider**

*Tuesday, September 26, 2017 4:45 PM (1 hour)*

**Presenter:** BADELEK, Barbara (University of Warsaw (PL))

Contribution ID: 29

Type: **not specified**

## **Discussion: QCD - Quo Vadis ?**

*Tuesday, September 26, 2017 5:45 PM (45 minutes)*

Contribution ID: **30**

Type: **not specified**

## **BFKL dynamics and the soft Pomeron**

*Wednesday, September 27, 2017 9:00 AM (1h 45m)*

**Presenter:** BARTELS, Jochen

Contribution ID: 31

Type: **not specified**

## **Modern hadron spectroscopy: challenges, opportunities and methods**

**Presenter:** SZCZEPANIAK, Adam



Contribution ID: **32**

Type: **not specified**

## **Triple charm production at the LHC**

*Wednesday, September 27, 2017 8:00 PM (20 minutes)*

**Presenter:** MACIULA, Rafal (Institute of Nuclear Physics PAN)

**Session Classification:** Evening session

Contribution ID: 33

Type: **not specified**

## **Monte Carlo event generation for pp collisions, phenomenological models and tuning**

*Wednesday, September 27, 2017 8:20 PM (20 minutes)*

**Presenter:** ENE, Alexandru Catalin (IFIN-HH (RO))

**Session Classification:** Evening session

Contribution ID: 34

Type: **not specified**

## **GenEx - Exclusive light meson generator**

*Wednesday, September 27, 2017 8:40 PM (20 minutes)*

**Presenter:** ERLAND, Paula

**Session Classification:** Evening session

Contribution ID: 35

Type: **not specified**

## **Triple Regge exchange mechanisms of four-pion continuum production in the $pp \rightarrow pp\pi^+\pi^-\pi^+\pi^-$ reaction**

*Wednesday, September 27, 2017 9:00 PM (20 minutes)*

**Presenter:** KYCIA, Radosław (Cracow University of Technology)

**Session Classification:** Evening session

Contribution ID: 36

Type: **not specified**

## **Elastic pp scattering at the LHC: the non-exponential low- $|t|$ diffraction cone and the energy dependence of the slope**

*Wednesday, September 27, 2017 9:20 PM (20 minutes)*

**Presenter:** ISTVAN, Szanyi

**Session Classification:** Evening session

Contribution ID: 37

Type: **not specified**

## **Modeling of non-exponential behaviour of pp elastic scattering at high energies**

*Wednesday, September 27, 2017 9:40 PM (20 minutes)*

**Presenter:** BENCE, Norbert

**Session Classification:** Evening session

Contribution ID: 38

Type: **not specified**

## **Investigation on the particle identification potential of the Silicon Tracking System of the CBM experiment**

*Wednesday, September 27, 2017 8:00 PM (20 minutes)*

**Presenter:** MALYGINA, Hanna

**Session Classification:** Evening session

Contribution ID: 39

Type: **not specified**

## **Study of charmonium production using decays to hadronic final states with the LHCb**

*Wednesday, September 27, 2017 8:20 PM (20 minutes)*

**Presenter:** USACHOV, Andrii (Universite de Paris-Sud 11 (FR))

**Session Classification:** Evening session



Contribution ID: 40

Type: **not specified**

## The NNLO predictions of the dijet production in diffractive DIS

*Wednesday, September 27, 2017 8:40 PM (20 minutes)*

**Presenter:** ZLEBICKI, Radek (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** Evening session

Contribution ID: 41

Type: **not specified**

## **Forward dijet production as a probe of saturation effects in dilute-dense hadronic collisions**

*Wednesday, September 27, 2017 9:00 PM (20 minutes)*

**Presenter:** MATAS, Marek (CERN)

**Session Classification:** Evening session

Contribution ID: 42

Type: **not specified**

## **Perturbative solutions for relativistic hydrodynamics**

*Wednesday, September 27, 2017 9:20 PM (20 minutes)*

**Presenter:** KURGYIS, Balint

**Session Classification:** Evening session

Contribution ID: 43

Type: **not specified**

## QCD on the lattice

*Thursday, September 28, 2017 9:00 AM (1h 45m)*

**Presenter:** ALEXANDROU, Constantia

Contribution ID: 44

Type: **not specified**

## Soft QCD processes in ALICE

*Thursday, September 28, 2017 11:10 AM (55 minutes)*

**Presenter:** WEBER, Michael (Stefan Meyer Institute for Subatomic Physics (SMI), Austrian Academy of Sciences (AT))

Contribution ID: 45

Type: **not specified**

## Hard QCD processes in ALICE

*Thursday, September 28, 2017 12:05 PM (55 minutes)*

**Presenter:** CAFFARRI, Davide (Nikhef National institute for subatomic physics (NL))

Contribution ID: 46

Type: **not specified**

## **Soft and hard QCD processes in ATLAS**

*Thursday, September 28, 2017 2:30 PM (1 hour)*

**Presenter:** SIEGERT, Frank (Technische Universitaet Dresden (DE))

Contribution ID: 47

Type: **not specified**

## **Hard double parton scattering with the ATLAS detector**

*Thursday, September 28, 2017 3:30 PM (20 minutes)*

**Presenter:** KUPRASH, Oleg (Tel Aviv University (IL))



Contribution ID: 48

Type: **not specified**

## **Towards tomography of quark-gluon plasma using double inclusive forward-central jets in Pb-Pb collisions**

*Thursday, September 28, 2017 3:50 PM (20 minutes)*

**Presenter:** DEAK, Michal (CERN)

Contribution ID: 49

Type: **not specified**

## **Double parton scattering in QCD, its identification and exploration**

*Thursday, September 28, 2017 4:40 PM (1 hour)*

**Presenter:** SZCZUREK, Antoni (Institute of Nuclear Physics)

Contribution ID: 50

Type: **not specified**

## **Experimental search for signals of chiral symmetry restoration in heavy-ion collisions**

*Thursday, September 28, 2017 5:40 PM (1 hour)*

**Presenter:** GALATYUK, Tetyana (TU Darmstadt / GSI)

Contribution ID: 51

Type: **not specified**

## Chiral dynamics in QCD

*Friday, September 29, 2017 9:00 AM (1h 45m)*

**Presenter:** COLANGELO, Gilberto

Contribution ID: 52

Type: **not specified**

## **AdS/CFT correspondence and QCD**

*Friday, September 29, 2017 11:15 AM (1h 45m)*

**Presenter:** TAN, Chung-I

Contribution ID: 53

Type: **not specified**

## **Polarisation in QCD: from hadronic to heavy-ion collisions**

*Friday, September 29, 2017 2:30 PM (1h 45m)*

**Presenter:** TERYAEV, Oleg (JINR)

Contribution ID: 54

Type: **not specified**

## **W+W- pair production within the kt-factorization approach**

**Presenter:** LUSZCZAK, Marta (University of Rzeszow)

**Session Classification:** Lunch

Contribution ID: 55

Type: **not specified**

## **Monte Carlo phase space integration for Drell-Yan process**

*Friday, September 29, 2017 4:40 PM (20 minutes)*

**Presenter:** REDOUANE SALAH, Essma



Contribution ID: 56

Type: **not specified**

## **Soft and hard QCD processes in LHCb**

*Wednesday, September 27, 2017 11:35 AM (1 hour)*

**Presenter:** WINN, Michael Andreas (Université Paris-Saclay (FR))

Contribution ID: 57

Type: **not specified**

## QCD process in cosmic rays air showers

*Saturday, September 30, 2017 9:00 AM (1 hour)*

**Presenter:** TRICOMI, Alessia (Universita e INFN, Catania (IT))

Contribution ID: 58

Type: **not specified**

## Soft and hard QCD processes in TOTEM

*Friday, September 29, 2017 5:00 PM (1 hour)*

**Presenter:** DEILE, Mario (CERN)

Contribution ID: 59

Type: **not specified**

## **Phenomenology of semi-hard processes at the LHC**

*Saturday, September 30, 2017 10:00 AM (20 minutes)*

**Presenter:** CELIBERTO, Francesco Giovanni (Università della Calabria and INFN Cosenza (Italy))

Contribution ID: **60**

Type: **not specified**

## **The hard Pomeron impact on the high-energy elastic scattering of nucleons**

*Saturday, September 30, 2017 10:20 AM (20 minutes)*

**Presenter:** GODIZOV, Anton (Institute for High Energy Physics (RU))

Contribution ID: **61**

Type: **not specified**

## **Award best poster - best student talk**

*Saturday, September 30, 2017 12:00 PM (20 minutes)*

Contribution ID: **62**

Type: **not specified**

## Closing words

*Saturday, September 30, 2017 12:20 PM (10 minutes)*

**Presenters:** SZCZUREK, Antoni (Institute of Nuclear Physics); SCHICKER, Rainer (Ruprecht Karls Universitaet Heidelberg (DE))

Contribution ID: 63

Type: **not specified**

## **W+W- pair production within the kt-factorization approach**

*Wednesday, September 27, 2017 11:15 AM (20 minutes)*

**Presenter:** LUSZCZAK, Marta (University of Rzeszow)



Contribution ID: **64**

Type: **not specified**

## **Poster session**

*Wednesday, September 27, 2017 12:35 PM (25 minutes)*

Contribution ID: **65**

Type: **not specified**

## **Poster session**

*Friday, September 29, 2017 6:00 PM (1 hour)*

Contribution ID: **66**

Type: **not specified**

## **Discussion**

*Saturday, September 30, 2017 11:10 AM (50 minutes)*