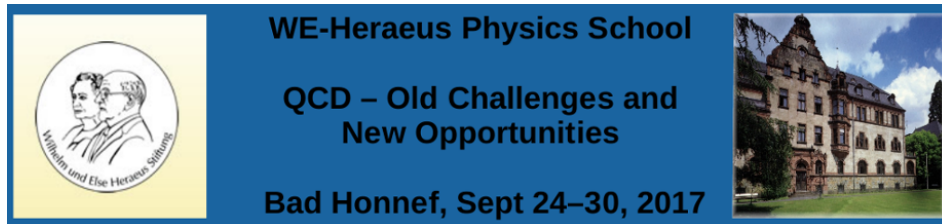


QCD - Old Challenges and New Opportunities



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome and introduction

Sunday 24 September 2017 09:00 (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 24 September 2017 09:10 (50 minutes)

Presenter: MARTIN, Alan

Contribution ID: 3

Type: **not specified**

Soft and hard QCD processes at the TEVATRON

Sunday 24 September 2017 10:00 (1 hour)

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

Contribution ID: 4

Type: **not specified**

Parton distributions in QCD I

Sunday 24 September 2017 11:20 (50 minutes)

Presenter: MARTIN, Alan

Contribution ID: 5

Type: **not specified**

Soft and hard QCD processes at RHIC

Sunday 24 September 2017 12:10 (1 hour)

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

Contribution ID: 6

Type: **not specified**

Parton distributions in QCD II

Sunday 24 September 2017 14:30 (1 hour)

Presenter: MARTIN, Alan

Contribution ID: 7

Type: **not specified**

Soft and hard QCD processes at HERA

Sunday 24 September 2017 15:30 (1 hour)

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

Contribution ID: 8

Type: **not specified**

Multiparticle production in QCD at high energies

Sunday 24 September 2017 17:00 (1h 45m)

Presenter: VENUGOPALAN, Raju (Brookhaven National Laboratory)

Contribution ID: 9

Type: **not specified**

The 3-dimensional nucleon structure in QCD

Monday 25 September 2017 09:00 (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 25 September 2017 11:15 (1h 45m)

Presenter: JENKOVSZKY, Laszlo L.

Contribution ID: **11**

Type: **not specified**

Double parton distributions and their applications

Monday 25 September 2017 14:30 (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 25 September 2017 15:30 (1 hour)

Presenter: LUSZCZAK, Agnieszka

Contribution ID: 13

Type: **not specified**

Soft and hard QCD processes in CMS

Monday 25 September 2017 17:00 (1 hour)

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

Contribution ID: **14**

Type: **not specified**

Poster session - Flash talks

Monday 25 September 2017 18:00 (1 hour)

Poster flash talks

Contribution ID: 15

Type: **not specified**

Ultra-peripheral collisions with ALICE

Monday 25 September 2017 20:00 (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 25 September 2017 20:20 (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 25 September 2017 20:40 (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 25 September 2017 21:00 (20 minutes)

Presenter: BABIARZ, Izabela

Session Classification: Evening session

Contribution ID: **19**

Type: **not specified**

Inverse mathematics for QCD diffraction

Monday 25 September 2017 21:20 (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 25 September 2017 21:40 (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 25 September 2017 20:00 (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 25 September 2017 20:20 (20 minutes)

Presenter: KIM, June-Young

Session Classification: Evening session

Contribution ID: 23

Type: **not specified**

S-matrix approach to hadron gas

Monday 25 September 2017 20:40 (20 minutes)

Presenter: LO, Pok Man

Session Classification: Evening session

Contribution ID: 24

Type: **not specified**

Finite-volume scaling of Polyakov loop susceptibilities

Monday 25 September 2017 21:00 (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 26 September 2017 09:00 (1h 45m)

Presenter: NACHTMANN, Otto (U)

Contribution ID: 26

Type: **not specified**

Schwinger-Dyson approach to QCD

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

Presenter: PENNINGTON, Michael (Jefferson Lab)

Contribution ID: 27

Type: **not specified**

QCD at the energy frontier

Tuesday 26 September 2017 14:30 (1h 45m)

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

Contribution ID: 28

Type: **not specified**

QCD at the Electron-Ion Collider

Tuesday 26 September 2017 16:45 (1 hour)

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

Contribution ID: 29

Type: **not specified**

Discussion: QCD - Quo Vadis ?

Tuesday 26 September 2017 17:45 (45 minutes)

Contribution ID: **30**

Type: **not specified**

BFKL dynamics and the soft Pomeron

Wednesday 27 September 2017 09:00 (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 27 September 2017 20:00 (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 27 September 2017 20:20 (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 27 September 2017 20:40 (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 27 September 2017 21:00 (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 27 September 2017 21:20 (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 27 September 2017 21:40 (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 27 September 2017 20:00 (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 27 September 2017 20:20 (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 27 September 2017 20:40 (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 27 September 2017 21:00 (20 minutes)

Presenter: MATAS, Marek (CERN)

Session Classification: Evening session

Contribution ID: 42

Type: **not specified**

Perturbative solutions for relativistic hydrodynamics

Wednesday 27 September 2017 21:20 (20 minutes)

Presenter: KURGYIS, Balint

Session Classification: Evening session

Contribution ID: 43

Type: **not specified**

QCD on the lattice

Thursday 28 September 2017 09:00 (1h 45m)

Presenter: ALEXANDROU, Constantia

Contribution ID: 44

Type: **not specified**

Soft QCD processes in ALICE

Thursday 28 September 2017 11:10 (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 28 September 2017 12:05 (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 28 September 2017 14:30 (1 hour)

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

Contribution ID: 47

Type: **not specified**

Hard double parton scattering with the ATLAS detector

Thursday 28 September 2017 15:30 (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 28 September 2017 15:50 (20 minutes)

Presenter: DEAK, Michal (CERN)

Contribution ID: 49

Type: **not specified**

Double parton scattering in QCD, its identification and exploration

Thursday 28 September 2017 16:40 (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 28 September 2017 17:40 (1 hour)

Presenter: GALATYUK, Tetyana (TU Darmstadt / GSI)

Contribution ID: 51

Type: **not specified**

Chiral dynamics in QCD

Friday 29 September 2017 09:00 (1h 45m)

Presenter: COLANGELO, Gilberto

Contribution ID: 52

Type: **not specified**

AdS/CFT correspondence and QCD

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

Presenter: TAN, Chung-I

Contribution ID: 53

Type: **not specified**

Polarisation in QCD: from hadronic to heavy-ion collisions

Friday 29 September 2017 14:30 (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 29 September 2017 16:40 (20 minutes)

Presenter: REDOUANE SALAH, Essma

Contribution ID: 56

Type: **not specified**

Soft and hard QCD processes in LHCb

Wednesday 27 September 2017 11:35 (1 hour)

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

Contribution ID: 57

Type: **not specified**

QCD process in cosmic rays air showers

Saturday 30 September 2017 09:00 (1 hour)

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

Contribution ID: 58

Type: **not specified**

Soft and hard QCD processes in TOTEM

Friday 29 September 2017 17:00 (1 hour)

Presenter: DEILE, Mario (CERN)

Contribution ID: 59

Type: **not specified**

Phenomenology of semi-hard processes at the LHC

Saturday 30 September 2017 10:00 (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 30 September 2017 10:20 (20 minutes)

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

Contribution ID: **61**

Type: **not specified**

Award best poster - best student talk

Saturday 30 September 2017 12:00 (20 minutes)

Contribution ID: **62**

Type: **not specified**

Closing words

Saturday 30 September 2017 12:20 (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 27 September 2017 11:15 (20 minutes)

Presenter: LUSZCZAK, Marta (University of Rzeszow)

Contribution ID: **64**

Type: **not specified**

Poster session

Wednesday 27 September 2017 12:35 (25 minutes)

Contribution ID: 65

Type: **not specified**

Poster session

Friday 29 September 2017 18:00 (1 hour)

Contribution ID: **66**

Type: **not specified**

Discussion

Saturday 30 September 2017 11:10 (50 minutes)