

Low x 2014

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Tuesday 17 June 2014 08:30 (5 minutes)

Presenters: ROYON, Christophe (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR)); HATTA, Yoshitaka (Japan/Yukawa Institute)

Contribution ID: 1

Type: **not specified**

Combination of inclusive DIS data from HERAII and HERAPDF2.0 PDF fits

Tuesday 17 June 2014 08:35 (25 minutes)

Presenter: MYRONENKO, Volodymyr

Session Classification: Structure functions, low x, PDFs

Contribution ID: 2

Type: **not specified**

Inclusive cross-sections for gluon production in QCD with a running coupling constant

Tuesday 17 June 2014 09:00 (20 minutes)

Presenter: BRAUN, Michail (Unknown)

Session Classification: Structure functions, low x, PDFs

Contribution ID: 3

Type: **not specified**

HERAFitter

Tuesday 17 June 2014 09:20 (20 minutes)

Presenter: PLACAKYTE, Ringaile (Hamburg University)

Session Classification: Structure functions, low x, PDFs

Contribution ID: 4

Type: **not specified**

Measurement of the longitudinal structure function, F_L

Tuesday 17 June 2014 09:40 (25 minutes)

Presenter: SHUSHKEVICH, Stanislav (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Structure functions, low x, PDFs

Contribution ID: 5

Type: **not specified**

Higgs boson as a gluon trigger

Tuesday 17 June 2014 10:30 (20 minutes)

Presenter: GREBENYUK, Anastasia (Universite Libre de Bruxelles (BE))

Session Classification: Structure functions, low x, PDFs

Contribution ID: 6

Type: **not specified**

Impact Factors for Reggeon-Gluon Transitions

Tuesday 17 June 2014 10:50 (20 minutes)

Presenter: FADIN, Victor

Session Classification: Structure functions, low x, PDFs

Contribution ID: 7

Type: **not specified**

Polarised low-x physics presently and on planned e-p machines

Tuesday 17 June 2014 11:10 (25 minutes)

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

Session Classification: Structure functions, low x, PDFs

Contribution ID: 8

Type: **not specified**

Rapidity evolution of Wilson lines at NLO

Tuesday 17 June 2014 11:35 (20 minutes)

Presenter: BALITSKY, Ian (ODU/JLab)

Session Classification: Structure functions, low x, PDFs

Contribution ID: 9

Type: **not specified**

NLO JIMWLK

Tuesday 17 June 2014 11:55 (20 minutes)

Presenter: LUBLINSKY, Michael

Session Classification: Structure functions, low x, PDFs

Contribution ID: **10**

Type: **not specified**

Discussion: structure function, PDFs, theory

Tuesday 17 June 2014 12:15 (1 hour)

Presenters: BADELEK, Barbara (University of Warsaw (PL)); PLACAKYTE, Ringaile (Hamburg University)

Session Classification: Stucture functions, low x, PDFs

Contribution ID: 11

Type: **not specified**

Heavy quark pair production and parton saturation in pA collisions at the LHC

Tuesday 17 June 2014 14:30 (20 minutes)

Presenter: WATANABE, Kazuhiro (The University of Tokyo)

Session Classification: Saturation

Contribution ID: 12

Type: **not specified**

Saturation and low x in EPOS

Tuesday 17 June 2014 14:50 (20 minutes)

Presenter: Dr PIEROG, Tanguy (KIT)

Session Classification: Saturation

Contribution ID: 13

Type: **not specified**

Interplay of coherence and saturation

Tuesday 17 June 2014 15:10 (20 minutes)

Presenter: KUTAK, Krzysztof (Instytut Fizyki Jadrowej Polskiej Akademii Nauk)

Session Classification: Saturation

Contribution ID: 14

Type: **not specified**

A generalized Glauber-Velasco model for LHC energies, focussing on the low- $|t|$ region

Tuesday 17 June 2014 15:30 (20 minutes)

Presenter: CSORGO, Tamas (Hungarian Academy of Sciences (HU))

Session Classification: Saturation

Contribution ID: 15

Type: **not specified**

Forward di-jet production in p+Pb collisions

Tuesday 17 June 2014 16:20 (20 minutes)

Presenter: MARQUET, Cyrille (CPHT - Ecole Polytechnique)

Session Classification: Saturation

Contribution ID: 16

Type: **not specified**

Conformal Regge Theory, confinement and low-x physics

Tuesday 17 June 2014 16:40 (20 minutes)

Presenter: TAN, Chung-I

Session Classification: Saturation

Contribution ID: 17

Type: **not specified**

Dipole model analysis of high precision HERA data

Tuesday 17 June 2014 17:00 (20 minutes)

Presenter: LUSZCZAK, Agnieszka

Session Classification: Saturation

Contribution ID: **18**

Type: **not specified**

Saturation at strong coupling

Tuesday 17 June 2014 17:20 (20 minutes)

Presenter: SUROWKA, Piotr

Session Classification: Saturation

Contribution ID: 19

Type: **not specified**

Discussion session: Saturation

Tuesday 17 June 2014 17:40 (50 minutes)

Presenters: MARQUET, Cyrille (CPHT - Ecole Polytechnique); BARTELS, Jochen

Session Classification: Saturation

Contribution ID: 20

Type: **not specified**

Hard probes in diffractive DIS at HERA

Wednesday 18 June 2014 08:30 (25 minutes)

Presenter: VALKAROVA, Alice (Charles University (CZ))

Session Classification: Diffraction, soft physics

Contribution ID: 21

Type: **not specified**

Diffraction and other data at the LHC

Wednesday 18 June 2014 08:55 (25 minutes)

Presenter: GOTSMAN, Errol (Tel Aviv University)

Session Classification: Diffraction, soft physics

Contribution ID: 22

Type: **not specified**

TOTEM results on pp Elastic Scattering and Coulomb-Nuclear Interference

Wednesday 18 June 2014 09:20 (25 minutes)

Presenter: FERRO, Fabrizio (Universita e INFN (IT))

Session Classification: Diffraction, soft physics

Contribution ID: 23

Type: **not specified**

Predictions of Diffractive and Total Cross Sections at LHC Confirmed by Recent Results

Wednesday 18 June 2014 09:45 (20 minutes)

Presenter: Prof. GOULIANOS, Konstantin (Rockefeller University (US))

Session Classification: Diffraction, soft physics

Contribution ID: 24

Type: **not specified**

Underlying event measurements and jet studies at high multiplicity in p-p collisions at CMS

Wednesday 18 June 2014 10:30 (25 minutes)

Presenter: GUNNELLINI, Paolo (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Diffraction, soft physics

Contribution ID: 25

Type: **not specified**

TOTEM results on the total pp Cross-Section and Diffractive Dissociation

Wednesday 18 June 2014 10:55 (20 minutes)

Presenter: CSORGO, Tamas (Hungarian Academy of Sciences (HU))

Session Classification: Diffraction, soft physics

Contribution ID: 26

Type: **not specified**

General introduction and results of the LHCf experiment

Wednesday 18 June 2014 11:15 (25 minutes)

Presenter: SAKO, Takashi (Nagoya University (JP))

Session Classification: Diffraction, soft physics

Contribution ID: 27

Type: **not specified**

Underlying events and particle production in ATLAS

Wednesday 18 June 2014 11:40 (30 minutes)

Presenter: WAHRMUND, Sebastian (Technische Universitaet Dresden (DE))

Session Classification: Diffraction, soft physics

Contribution ID: 28

Type: **not specified**

Discussion: soft physics, soft diffraction

Wednesday 18 June 2014 12:10 (1 hour)

Presenters: GOTSMAN, Errol (Tel Aviv University); FERRO, Fabrizio (Universita e INFN (IT))

Session Classification: Diffraction, soft physics

Contribution ID: 29

Type: **not specified**

Inclusive diffraction at the LHC using proton tagging

Wednesday 18 June 2014 14:30 (20 minutes)

Presenter: ROYON, Christophe (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

Session Classification: Hard diffraction

Contribution ID: **30**

Type: **not specified**

Status of the AFP project and physics prospects

Wednesday 18 June 2014 14:50 (25 minutes)

Presenter: Dr TASEVSKY, Marek (Acad. of Sciences of the Czech Rep. (CZ))

Session Classification: Hard diffraction

Contribution ID: 31

Type: **not specified**

The CMS-Totem Proton Precision Spectrometer project

Wednesday 18 June 2014 15:15 (20 minutes)

Presenter: PIOTRZKOWSKI, Krzysztof (Universite Catholique de Louvain (UCL) (BE))

Session Classification: Hard diffraction

Contribution ID: 32

Type: **not specified**

Flow equations in Reggeon field theory

Wednesday 18 June 2014 15:35 (20 minutes)

Presenter: BARTELS, Jochen

Session Classification: Hard diffraction

Contribution ID: 33

Type: **not specified**

Exclusive diffractive Higgs production

Wednesday 18 June 2014 16:20 (20 minutes)

Presenter: Dr TASEVSKY, Marek (Acad. of Sciences of the Czech Rep. (CZ))

Session Classification: Hard diffraction

Contribution ID: 34

Type: **not specified**

QCD factorisation tests in diffractive dijet production at HERA

Wednesday 18 June 2014 16:40 (25 minutes)

Presenter: Mr ZLEBICKI, Radek (Charles University (CZ))

Session Classification: Hard diffraction

Contribution ID: 35

Type: **not specified**

Leading baryon production in ep and hadron-hadron collision

Wednesday 18 June 2014 17:05 (25 minutes)

Presenter: YAMAZAKI, Yuji (Kobe University (JP))

Session Classification: Hard diffraction

Contribution ID: 36

Type: **not specified**

Hard Diffraction with Proton Tagging at the LHC

Wednesday 18 June 2014 17:30 (20 minutes)

Presenter: TRZEBINSKI, Maciej Marek (Polish Academy of Sciences (PL))

Session Classification: Hard diffraction

Contribution ID: 37

Type: **not specified**

Discussion: hard diffraction at LHC

Wednesday 18 June 2014 17:50 (40 minutes)

Presenters: KOPELIOVICH, Boris (UTFSM); Dr TASEVSKY, Marek (Acad. of Sciences of the Czech Rep. (CZ))

Session Classification: Hard diffraction

Contribution ID: 38

Type: **not specified**

Recent results from ALICE on UPC collisions (p Pb and Pb Pb)

Thursday 19 June 2014 08:30 (30 minutes)

Presenter: CONTRERAS NUNO, Jesus Guillermo (Centro Invest. Estudios Avanz. IPN (MX))

Session Classification: Heavy ion, photon

Contribution ID: 39

Type: **not specified**

Results from the heavy ion runs from ATLAS

Thursday 19 June 2014 09:00 (30 minutes)

Presenter: DOLEJSI, Jiri (Institute of Particle and Nuclear Physics)

Session Classification: Heavy ion, photon

Contribution ID: 40

Type: **not specified**

Prompt photon production at HERA

Thursday 19 June 2014 09:30 (25 minutes)

Presenter: IUDIN, Andrii

Session Classification: Heavy ion, photon

Contribution ID: 41

Type: **not specified**

Inclusive photon and photon+jet measurements in ATLAS

Thursday 19 June 2014 09:55 (25 minutes)

Presenter: YOSHIDA, Rikutarō (Argonne National Laboratory (US))

Session Classification: Heavy ion, photon

Contribution ID: 42

Type: **not specified**

Forward physics at the LHC with ALICE

Thursday 19 June 2014 10:20 (25 minutes)

Presenter: PEITZMANN, Thomas (University of Utrecht (NL))

Session Classification: Heavy ion, photon

Contribution ID: 43

Type: **not specified**

Discussion: heavy ions, photon physics

Thursday 19 June 2014 10:45 (30 minutes)

Presenters: CONTRERAS NUNO, Jesus Guillermo (Centro Invest. Estudios Avanz. IPN (MX)); YOSHIDA, Rikutarō (Argonne National Laboratory (US))

Session Classification: Heavy ion, photon

Contribution ID: 44

Type: **not specified**

Jet production in DIS and measurement of α_s

Friday 20 June 2014 08:30 (25 minutes)

Presenter: Dr GRINDHAMMER, Guenter (MPI Muenchen)

Session Classification: Jet and low x

Contribution ID: 45

Type: **not specified**

Confronting BFKL dynamics with experimental studies of Mueller-Navelet jets

Friday 20 June 2014 08:55 (20 minutes)

Presenter: SZYMANOWSKI, Lech

Session Classification: Jet and low x

Contribution ID: 46

Type: **not specified**

Resummation of non-global logarithms at finite Nc

Friday 20 June 2014 09:15 (20 minutes)

Presenter: HATTA, Yoshitaka (Japan/Yukawa Institute)

Session Classification: Jet and low x

Contribution ID: 47

Type: **not specified**

Measurement of the jet veto cross section and jet results in ATLAS

Friday 20 June 2014 09:35 (25 minutes)

Presenter: CAMPANELLI, Mario (University College London (UK))

Session Classification: Jet and low x

Contribution ID: 48

Type: **not specified**

Forward jets at LHC with new tools for high energy factorization

Friday 20 June 2014 10:25 (20 minutes)

Presenter: KOTKO, Piotr

Session Classification: Jet and low x

Contribution ID: 49

Type: **not specified**

Multijet correlations at large rapidity intervals at CMS

Friday 20 June 2014 10:45 (25 minutes)

Presenter: BRONA, Grzegorz (University of Warsaw (PL))

Session Classification: Jet and low x

Contribution ID: 50

Type: **not specified**

Forward inclusive hadron production in saturation formalism

Friday 20 June 2014 11:10 (20 minutes)

Presenter: STASTO, Anna (Pennsylvania State University (US))

Session Classification: Jet and low x

Contribution ID: 51

Type: **not specified**

QCD results from the CMS-TOTEM run at 8 TeV

Friday 20 June 2014 11:30 (25 minutes)

Presenter: KNUTSSON, Albert (University of Antwerp (BE))

Session Classification: Jet and low x

Contribution ID: 52

Type: **not specified**

Discussion: Forward jets, Mueller Navelet jets, jet gap jet, saturation

Friday 20 June 2014 11:55 (1h 15m)

Presenters: STASTO, Anna (Pennsylvania State University (US)); CAMPANELLI, Mario (University College London (UK))

Session Classification: Jet and low x

Contribution ID: 53

Type: **not specified**

Exclusive jet production at the LHC

Friday 20 June 2014 14:30 (20 minutes)

Presenter: HARLAND-LANG, Lucian (Durham University)

Session Classification: Exclusive diffraction

Contribution ID: 54

Type: **not specified**

Quartic anomalous coupling studies

Friday 20 June 2014 14:50 (20 minutes)

Presenter: SAIMPERT, Matthias (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

Session Classification: Exclusive diffraction

Contribution ID: 55

Type: **not specified**

High energy photon interactions at the LHC

Friday 20 June 2014 15:10 (20 minutes)

Presenter: PIOTRZKOWSKI, Krzysztof (Universite Catholique de Louvain (UCL) (BE))

Session Classification: Exclusive diffraction

Contribution ID: 56

Type: **not specified**

Diffractive and Exclusive measurements in CMS

Friday 20 June 2014 15:30 (25 minutes)

Presenter: DA SILVEIRA, Gustavo Gil (Universite Catholique de Louvain (UCL) (BE))

Session Classification: Exclusive diffraction

Contribution ID: 57

Type: **not specified**

QCD and forward physics at LHCb

Friday 20 June 2014 16:20 (25 minutes)

Presenter: BURSCHE, Albert (Universitaet Zuerich (CH))

Session Classification: Exclusive diffraction

Contribution ID: 58

Type: **not specified**

Searching for invisible particles with forward proton detectors

Friday 20 June 2014 16:45 (20 minutes)

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

Session Classification: Exclusive diffraction

Contribution ID: 59

Type: **not specified**

Diffractive bremsstrahlung of abelian fields

Friday 20 June 2014 17:05 (20 minutes)

Presenter: KOPELIOVICH, Boris (UTFSM)

Session Classification: Exclusive diffraction

Contribution ID: **60**

Type: **not specified**

A model for the reaction $\gamma p \rightarrow \pi^+ \pi^- p$

Friday 20 June 2014 17:25 (20 minutes)

Presenter: SAUTER, Michel

Session Classification: Exclusive diffraction

Contribution ID: **61**

Type: **not specified**

Discussion: exclusive diffraction

Friday 20 June 2014 17:45 (45 minutes)

Presenters: ROYON, Christophe (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR)); HARLAND-LANG, Lucian (Durham University)

Session Classification: Exclusive diffraction

Contribution ID: 62

Type: **not specified**

Is Higgs production a low-x phenomenon?

Saturday 21 June 2014 08:05 (20 minutes)

Presenter: SZCZUREK, Antoni (Institute of Nuclear Physics)

Session Classification: Final state and vector mesons

Contribution ID: 63

Type: **not specified**

Using charm and beauty data to constrain the quark masses

Saturday 21 June 2014 08:25 (25 minutes)

Presenter: GEISER, Achim (Fachbereich Physik)

Session Classification: Final state and vector mesons

Contribution ID: 64

Type: **not specified**

Recent measurements of the hadronic final state at HERA

Saturday 21 June 2014 08:50 (25 minutes)

Presenter: SAUTER, Michel

Session Classification: Final state and vector mesons

Contribution ID: 65

Type: **not specified**

Measurement of W+charm and Z+bjet cross sections in ATLAS

Saturday 21 June 2014 09:15 (25 minutes)

Presenter: SNIDERO, Giacomo (University of London (GB))

Session Classification: Final state and vector mesons

Contribution ID: 66

Type: **not specified**

Nuclear effects at small x and asymptotics of nucleon parton distributions

Saturday 21 June 2014 10:05 (20 minutes)

Presenter: MOLOCHKOV, Alexander

Session Classification: Final state and vector mesons

Contribution ID: 67

Type: **not specified**

Heavy flavour production at HERA

Saturday 21 June 2014 10:25 (25 minutes)

Presenter: ZENAIEV, Oleksandr

Session Classification: Final state and vector mesons

Contribution ID: **68**

Type: **not specified**

Vector meson production at HERA

Saturday 21 June 2014 10:50 (25 minutes)

Presenter: GRZELAK, Grzegorz

Session Classification: Final state and vector mesons

Contribution ID: 69

Type: **not specified**

Energy-energy correlations at the LHC

Saturday 21 June 2014 11:15 (20 minutes)

Presenter: LLORENTE MERINO, Javier (Universidad Autonoma de Madrid (ES))

Session Classification: Final state and vector mesons

Contribution ID: 70

Type: **not specified**

Discussion: final states, vector mesons, heavy quarks

Saturday 21 June 2014 11:35 (55 minutes)

Presenters: Dr GRINDHAMMER, Guenter (MPI Muenchen); SAUTER, Michel

Session Classification: Final state and vector mesons

Contribution ID: 71

Type: **not specified**

Next low x meeting

Saturday 21 June 2014 12:55 (5 minutes)

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