

Low x workshop

Report of Contributions

Contribution ID: 0

Type: **not specified**

Registration

Wednesday 27 June 2012 08:00 (15 minutes)

Contribution ID: 1

Type: **not specified**

Welcome

Wednesday 27 June 2012 08:15 (5 minutes)

Presenters: ROYON, Christophe; PTOCHOS, Fotis

Contribution ID: 2

Type: **not specified**

Structure functions and HERAPDF at HERA

Wednesday 27 June 2012 08:20 (25 minutes)

Presenter: COOPER-SARKAR, Amanda

Session Classification: Structure function, Low x, QCD fits I

Contribution ID: 3

Type: **not specified**

Double parton distributions and their evolution

Wednesday 27 June 2012 08:45 (20 minutes)

Presenter: GOLEC-BIERNAT, Krzysztof

Session Classification: Structure function, Low x, QCD fits I

Contribution ID: 4

Type: **not specified**

Heavy flavour production at HERA

Wednesday 27 June 2012 09:05 (25 minutes)

Presenter: SAUTER, Michel

Session Classification: Structure function, Low x, QCD fits I

Contribution ID: 5

Type: **not specified**

Pion structure function at small x

Wednesday 27 June 2012 09:30 (20 minutes)

Presenter: KOPELIOVICH, Boris

Session Classification: Structure function, Low x, QCD fits I

Contribution ID: 6

Type: **not specified**

Herafitter

Wednesday 27 June 2012 09:50 (20 minutes)

Presenter: RADESCU, Voica

Session Classification: Structure function, Low x, QCD fits I

Contribution ID: 7

Type: **not specified**

LHeC proposal

Wednesday 27 June 2012 10:30 (20 minutes)

Presenter: STASTO, Anna

Session Classification: Structure function, Low x, QCD fits I

Contribution ID: 8

Type: **not specified**

Small x limit, geometrical scaling

Wednesday 27 June 2012 10:50 (20 minutes)

Presenter: PRASZALOWICZ, Michal

Session Classification: Structure function, Low x, QCD fits I

Contribution ID: 9

Type: **not specified**

Aspects of saturation and final states

Wednesday 27 June 2012 11:10 (20 minutes)

Presenter: KUTAK, Krzysztof

Session Classification: Structure function, Low x, QCD fits I

Contribution ID: **10**

Type: **not specified**

BKP equations at NLO

Saturday 30 June 2012 11:35 (20 minutes)

Presenter: BARTELS, Jochen

Session Classification: Final state session I: jets, BFKL, new physics

Contribution ID: 11

Type: **not specified**

ATLAS W/Z sensitivity to strange PDF

Wednesday 27 June 2012 11:50 (15 minutes)

Presenter: KARNEVSKIY, Mikhail

Session Classification: Structure function, Low x, QCD fits I

Contribution ID: 12

Type: **not specified**

Discussion session - Structure functions, PDFs, low x

Wednesday 27 June 2012 12:25 (45 minutes)

Presenters: MARTIN, Alan; COOPER-SARKAR, Amanda; STASTO, Anna

Session Classification: Structure function, Low x, QCD fits I

Contribution ID: 13

Type: **not specified**

Two particle correlations

Wednesday 27 June 2012 15:50 (20 minutes)

Presenter: LUBLINSKY, Michael

Session Classification: Structure Function, Low x, QCD fits II

Contribution ID: 14

Type: **not specified**

Isolated photons production at HERA

Presenter: LEVONIAN, Serguey

Contribution ID: 15

Type: **not specified**

NLO photon impact factor for the BFKL pomeron

Wednesday 27 June 2012 12:05 (20 minutes)

Presenter: BALITSKY, Ian

Session Classification: Structure function, Low x, QCD fits I

Contribution ID: 16

Type: **not specified**

Unintegrated gluon distribution and gluon saturation in pp collisions at LHC

Wednesday 27 June 2012 16:10 (20 minutes)

Presenter: LYKASOV, Guennadi

Session Classification: Structure Function, Low x, QCD fits II

Contribution ID: 17

Type: **not specified**

Loop Computations with Lipatov's Effective Action for high energy QCD

Wednesday 27 June 2012 16:30 (20 minutes)

Presenter: MADRIGAL, Jose Daniel

Session Classification: Structure Function, Low x, QCD fits II

Contribution ID: **18**

Type: **not specified**

Nuclear Modification Factor for gluon jet

Wednesday 27 June 2012 16:50 (20 minutes)

Presenter: LEVIN, Evgueni

Session Classification: Structure Function, Low x, QCD fits II

Contribution ID: 19

Type: **not specified**

Recent CMS results on small-x QCD

Wednesday 27 June 2012 17:30 (25 minutes)

Presenter: BRONA, Grzegorz

Session Classification: Structure Function, Low x, QCD fits II

Contribution ID: 20

Type: **not specified**

pQCD physics of multiparton interactions at moderate and small x

Wednesday 27 June 2012 17:55 (20 minutes)

Presenter: BLOK, Boris

Session Classification: Structure Function, Low x, QCD fits II

Contribution ID: 21

Type: **not specified**

String-Gauge Dual (AdS/CFT) Description of Deep Inelastic Scattering

Wednesday 27 June 2012 18:15 (20 minutes)

Presenter: TAN, Chung-I

Session Classification: Structure Function, Low x, QCD fits II

Contribution ID: 22

Type: **not specified**

Far-from-equilibrium processes in QCD and AdS/CFT correspondence

Wednesday 27 June 2012 18:35 (20 minutes)

Presenter: PESCHANSKI, Robi

Session Classification: Structure Function, Low x, QCD fits II

Contribution ID: 23

Type: **not specified**

Discussion session: QCD fits, PDFs, Hera fitter, saturation...

Wednesday 27 June 2012 18:55 (45 minutes)

Presenters: MARTIN, Alan; COOPER-SARKAR, Amanda; STASTO, Anna

Session Classification: Structure Function, Low x, QCD fits II

Contribution ID: 24

Type: **not specified**

Measurement of inclusive diffraction using LRG method

Thursday 28 June 2012 08:30 (25 minutes)

Presenter: VALKAROVA, Alice

Session Classification: Diffraction session I: HERA and soft diffraction, multiplicities

Contribution ID: 25

Type: **not specified**

Inclusive diffractive combination at HERA using spectrometers

Thursday 28 June 2012 08:55 (25 minutes)

Presenter: KAPICHINE, Mikhail

Session Classification: Diffraction session I: HERA and soft diffraction, multiplicities

Contribution ID: 26

Type: **not specified**

Saturation in soft scattering at LHC energies

Thursday 28 June 2012 09:20 (20 minutes)

Presenter: GOTSMAN, Asher

Session Classification: Diffraction session I: HERA and soft diffraction, multiplicities

Contribution ID: 27

Type: **not specified**

Soft scattering at exceedingly high energies

Thursday 28 June 2012 09:40 (20 minutes)

Presenter: MAOR, Uri

Session Classification: Diffraction session I: HERA and soft diffraction, multiplicities

Contribution ID: 28

Type: **not specified**

Low mass (low x) Drell-Yan production

Thursday 28 June 2012 10:20 (20 minutes)

Presenter: MARTIN, Alan

Session Classification: Diffraction session I: HERA and soft diffraction, multiplicities

Contribution ID: 29

Type: **not specified**

Diffraction at CDF

Presenter: GOULIANOS, Dino

Contribution ID: 30

Type: **not specified**

Recent CMS results on soft QCD and multi-parton interactions

Thursday 28 June 2012 11:00 (25 minutes)

Presenter: BANSAL, Sunil

Session Classification: Diffraction session I: HERA and soft diffraction, multiplicities

Contribution ID: 31

Type: **not specified**

Measurement of the forward rapidity gap cross-section (ATLAS)

Thursday 28 June 2012 11:25 (25 minutes)

Presenter: POLINI, Alessandro

Session Classification: Diffraction session I: HERA and soft diffraction, multiplicities

Contribution ID: 32

Type: **not specified**

Predictions of soft processes at the LHC implemented in PYTHIA8

Thursday 28 June 2012 11:50 (15 minutes)

Presenter: GOULIANOS, Dino

Session Classification: Diffraction session I: HERA and soft diffraction, multiplicities

Contribution ID: 33

Type: **not specified**

Discussion session: Diffraction at HERA, soft processes

Thursday 28 June 2012 12:05 (1h 10m)

Presenters: MESROPIAN, Christina; BARTELS, Jochen; KEPKA, Oldrich

Session Classification: Diffraction session I: HERA and soft diffraction, multiplicities

Contribution ID: 34

Type: **not specified**

The ATLAS Forward Proton program

Thursday 28 June 2012 16:25 (20 minutes)

Presenter: TRZEBINSKI, Maciej

Session Classification: Diffraction session II: Tevatron and LHC: hard diffraction

Contribution ID: 35

Type: **not specified**

New results on central exclusive production at hadron colliders

Thursday 28 June 2012 15:45 (20 minutes)

Presenter: KHOZE, Valery

Session Classification: Diffraction session II: Tevatron and LHC: hard diffraction

Contribution ID: 36

Type: **not specified**

ALFA and AFP ATLAS Detectors

Thursday 28 June 2012 15:15 (15 minutes)

Presenter: STASZEWSKI, Rafal

Session Classification: Diffraction session II: Tevatron and LHC: hard diffraction

Contribution ID: 37

Type: **not specified**

News on exclusive production of the BSM Higgs boson

Thursday 28 June 2012 16:05 (20 minutes)

Presenter: TASEVSKY, Marek

Session Classification: Diffraction session II: Tevatron and LHC: hard diffraction

Contribution ID: **38**

Type: **not specified**

Recent CMS results on exclusive production

Thursday 28 June 2012 16:45 (25 minutes)

Presenter: LI, Wenbo

Session Classification: Diffraction session II: Tevatron and LHC: hard diffraction

Contribution ID: 39

Type: **not specified**

Single diffractive gauge bosons production at the LHC

Thursday 28 June 2012 17:55 (20 minutes)

Presenter: PASECHNIK, Roman

Session Classification: Diffraction session II: Tevatron and LHC: hard diffraction

Contribution ID: 40

Type: **not specified**

Single and double c cbar pair production at the LHC

Thursday 28 June 2012 18:15 (20 minutes)

Presenter: SZCZUREK, Antoni

Session Classification: Diffraction session II: Tevatron and LHC: hard diffraction

Contribution ID: 41

Type: **not specified**

Exclusive final states in diffractive excitation

Presenter: GUSTAFSON, Gosta

Contribution ID: 42

Type: **not specified**

Discussion session: diffraction at LHC, exclusive processes

Thursday 28 June 2012 18:35 (55 minutes)

Presenters: MESROPIAN, Christina; BARTELS, Jochen; KEPKA, Oldrich

Session Classification: Diffraction session II: Tevatron and LHC: hard diffraction

Contribution ID: 43

Type: **not specified**

Recent CMS results on soft and hard diffraction

Friday 29 June 2012 08:30 (25 minutes)

Presenter: MESROPIAN, Christina

Session Classification: Diffraction session III: soft diffraction, total cross section, vector mesons...

Contribution ID: 44

Type: **not specified**

TOTEM luminosity independent cross section measurement, elastic cross sections, LHC optics estimation

Friday 29 June 2012 08:55 (25 minutes)

Presenter: NEMES, Frigyes

Session Classification: Diffraction session III: soft diffraction, total cross section, vector mesons...

Contribution ID: 45

Type: **not specified**

Towards a measurement of elastic scattering with ALFA

Friday 29 June 2012 09:20 (20 minutes)

Presenter: JAKOBSEN, Sune

Session Classification: Diffraction session III: soft diffraction, total cross section, vector mesons...

Contribution ID: 46

Type: **not specified**

Measurement of double diffraction cross section in Totem

Friday 29 June 2012 09:55 (20 minutes)

Presenter: MAKI, Tuula

Session Classification: Diffraction session III: soft diffraction, total cross section, vector mesons...

Contribution ID: 47

Type: **not specified**

Inelastic diffraction at the LHC - Recent TOTEM measurements

Friday 29 June 2012 09:40 (15 minutes)

Presenter: ORAVA, Risto

Session Classification: Diffraction session III: soft diffraction, total cross section, vector mesons...

Contribution ID: 48

Type: **not specified**

Diffraction with STAR

Friday 29 June 2012 10:35 (20 minutes)

Presenter: CHWASTOWSKI, Janusz

Session Classification: Diffraction session III: soft diffraction, total cross section, vector mesons...

Contribution ID: 49

Type: **not specified**

Proton-proton cross-sections and multiplicities with ALICE at LHC

Friday 29 June 2012 10:55 (25 minutes)

Presenter: REVOL, Jean-Pierre

Session Classification: Diffraction session III: soft diffraction, total cross section, vector mesons...

Contribution ID: 50

Type: **not specified**

Measurement of t-dependence for $\Upsilon(1s)$ PHP at HERA

Friday 29 June 2012 11:20 (20 minutes)

Presenter: MALKA, Janusz

Session Classification: Diffraction session III: soft diffraction, total cross section, vector mesons...

Contribution ID: 51

Type: **not specified**

Measurements of J/Psi and Upsilon production in ATLAS

Friday 29 June 2012 11:40 (25 minutes)

Presenter: PICAZIO, Attilio

Session Classification: Diffraction session III: soft diffraction, total cross section, vector mesons...

Contribution ID: 52

Type: **not specified**

Resonance and low-mass vector meson production in Alice

Friday 29 June 2012 12:05 (20 minutes)

Presenter: BADALA, Angela

Session Classification: Diffraction session III: soft diffraction, total cross section, vector mesons...

Contribution ID: 53

Type: **not specified**

Discussion session: Diffraction, total cross section, vector mesons

Friday 29 June 2012 12:25 (55 minutes)

Presenters: MESROPIAN, Christina; BARTELS, Jochen; KEPKA, Oldrich

Session Classification: Diffraction session III: soft diffraction, total cross section, vector mesons...

Contribution ID: 54

Type: **not specified**

Measurement of the forward transverse energy flow in Minimum Bias and dijet events (ATLAS)

Saturday 30 June 2012 08:30 (25 minutes)

Presenter: PRBHU, Robindra

Session Classification: Final state session I: jets, BFKL, new physics

Contribution ID: 55

Type: **not specified**

Jet gap jets

Saturday 30 June 2012 08:55 (20 minutes)

Presenter: ROYON, Christophe

Session Classification: Final state session I: jets, BFKL, new physics

Contribution ID: 56

Type: **not specified**

Measurement of forward jets and dijets with a jet veto (ATLAS)

Saturday 30 June 2012 09:15 (25 minutes)

Presenter: ERTEL, Eugen

Session Classification: Final state session I: jets, BFKL, new physics

Contribution ID: 57

Type: **not specified**

Jet cross section with jet veto

Saturday 30 June 2012 09:40 (20 minutes)

Presenter: WERDER, Dominik

Session Classification: Final state session I: jets, BFKL, new physics

Contribution ID: 58

Type: **not specified**

Full calculation for Mueller Navelet jets

Saturday 30 June 2012 10:00 (20 minutes)

Presenter: DUCLOUE, Bertrand

Session Classification: Final state session I: jets, BFKL, new physics

Contribution ID: 59

Type: **not specified**

Probing new physics using jet vetoes

Saturday 30 June 2012 10:40 (20 minutes)

Presenter: PILKINGTON, Andrew

Session Classification: Final state session I: jets, BFKL, new physics

Contribution ID: **60**

Type: **not specified**

Measurement of top-antitop production with a veto on additional jet activity (ATLAS)

Saturday 30 June 2012 11:00 (15 minutes)

Presenter: JOSHI, Kiran Daniel

Session Classification: Final state session I: jets, BFKL, new physics

Contribution ID: **61**

Type: **not specified**

Higher-order corrections for top-quark and W-boson production

Saturday 30 June 2012 11:15 (20 minutes)

Presenter: KIDONAKIS, Nikolaos

Session Classification: Final state session I: jets, BFKL, new physics

Contribution ID: 62

Type: **not specified**

QCD and EW measurements at LHCb

Wednesday 27 June 2012 11:30 (20 minutes)

Presenter: RANGEL, Murilo

Session Classification: Structure function, Low x, QCD fits I

Contribution ID: 63

Type: **not specified**

New jet cross section measurements in DIS and extraction of α_S

Saturday 30 June 2012 11:55 (25 minutes)

Presenter: KOGLER, Roman

Session Classification: Final state session I: jets, BFKL, new physics

Contribution ID: 64

Type: **not specified**

Discussion session: BFKL effects in jets, new physics

Saturday 30 June 2012 12:20 (55 minutes)

Presenters: PILKINGTON, Andrew; BARREIRO, Fernando; GUSTAFSON, Gosta

Session Classification: Final state session I: jets, BFKL, new physics

Contribution ID: 65

Type: **not specified**

Recent QCD results from CDF

Saturday 30 June 2012 15:30 (25 minutes)

Presenter: MESROPIAN, Christina

Session Classification: Final state session II: inclusive jets, LHCf

Contribution ID: 66

Type: **not specified**

The results and the future prospects from a LHC forward experiment, LHCf

Saturday 30 June 2012 15:55 (20 minutes)

Presenter: MENJO, Hiroaki

Session Classification: Final state session II: inclusive jets, LHCf

Contribution ID: 67

Type: **not specified**

The comparison of neutral baryon production at the LHC forward region between data and model

Saturday 30 June 2012 16:15 (15 minutes)

Presenter: KAWADE, Kentaro

Session Classification: Final state session II: inclusive jets, LHCf

Contribution ID: 68

Type: **not specified**

Nuclear Effects in Heavy quark Production

Saturday 30 June 2012 16:30 (15 minutes)

Presenter: CAZAROTO, Erike

Session Classification: Final state session II: inclusive jets, LHCf

Contribution ID: 69

Type: **not specified**

Inclusive jets in photoproduction

Saturday 30 June 2012 16:45 (20 minutes)

Presenter: LONTKOVSKYI, Denys

Session Classification: Final state session II: inclusive jets, LHCf

Contribution ID: 70

Type: **not specified**

Hadron production spectra in high energy particle collisions

Saturday 30 June 2012 17:05 (20 minutes)

Presenter: ROSTOVTSEV, Andrei

Session Classification: Final state session II: inclusive jets, LHCf

Contribution ID: 71

Type: **not specified**

Inelastic charmonium production in PHP

Saturday 30 June 2012 17:45 (20 minutes)

Presenter: MALKA, Janusz

Session Classification: Final state session II: inclusive jets, LHCf

Contribution ID: 72

Type: **not specified**

Scaled Momentum Distributions for K0s and lambda in DIS

Saturday 30 June 2012 18:05 (20 minutes)

Presenter: ZAWIEJSKI, Leszek

Session Classification: Final state session II: inclusive jets, LHCf

Contribution ID: 73

Type: **not specified**

COMPASS: Present and future

Saturday 30 June 2012 18:25 (20 minutes)

Presenter: BADELEK, Barbara

Session Classification: Final state session II: inclusive jets, LHCf

Contribution ID: 74

Type: **not specified**

Discussion session: LHCf, jets...

Saturday 30 June 2012 18:45 (45 minutes)

Presenters: PILKINGTON, Andrew; BARREIRO, Fernando; GUSTAFSON, Gosta

Session Classification: Final state session II: inclusive jets, LHCf

Contribution ID: 75

Type: **not specified**

Using BFKL resummation to fit DIS data

Wednesday 27 June 2012 15:30 (20 minutes)

Presenter: SALAS, Clara

Session Classification: Structure Function, Low x, QCD fits II

Contribution ID: 76

Type: **not specified**

Exclusive final states in diffractive excitation

Thursday 28 June 2012 10:40 (20 minutes)

Presenter: GUSTAFSON, Gosta

Session Classification: Diffraction session I: HERA and soft diffraction, multiplicities

Contribution ID: 77

Type: **not specified**

Diffraction and exclusive production at CDF

Thursday 28 June 2012 17:30 (25 minutes)

Presenter: GOULIANOS, Dino

Session Classification: Diffraction session II: Tevatron and LHC: hard diffraction

Contribution ID: 78

Type: **not specified**

Isolated photons production at HERA

Saturday 30 June 2012 15:10 (20 minutes)

Presenter: LEVONIAN, Serguey

Session Classification: Final state session II: inclusive jets, LHCf

Contribution ID: 79

Type: **not specified**

Diffraction jets

Thursday 28 June 2012 15:30 (15 minutes)

Presenter: KUS, Vlastimil

Session Classification: Diffraction session II: Tevatron and LHC: hard diffraction