

**EDS'09: 13th International
Conference on Elastic &
Diffractive Scattering**

Report of Contributions

Contribution ID: 0

Type: **not specified**

The Froissant Bound for Inelastic Cross Sections

Tuesday, 30 June 2009 08:30 (25 minutes)

Primary author: MARTIN, Andre (CERN)

Presenter: MARTIN, Andre (CERN)

Session Classification: Elastic Scattering and Total Cross-Section II

Contribution ID: 1

Type: **not specified**

ATLAS CNI Experiment - Total Cross Sections and Luminosity

Tuesday, 30 June 2009 08:55 (25 minutes)

Primary author: HELLER, Matthieu (LAL Orsay)

Presenter: HELLER, Matthieu (Lab. de l'Accelérateur Lineaire (IN2P3) (LAL) - Université de Paris Sud)

Session Classification: Elastic Scattering and Total Cross-Section II

Contribution ID: 2

Type: **not specified**

Theoretical Aspects of High Energy Elastic Nucleon Scattering

Tuesday, 30 June 2009 09:20 (25 minutes)

Primary author: KUNDRAT, Vojtech (IP-AS Prague)

Presenter: KUNDRAT, Vojtech (Institute of Physics, AS CR)

Session Classification: Elastic Scattering and Total Cross-Section II

Contribution ID: 4

Type: **not specified**

The Total Cross Sections at the LHC: Models and Experimental Consequences

Tuesday, 30 June 2009 09:45 (25 minutes)

Primary author: CUDELL, Jean-Rene (Universite de Liege)

Presenter: CUDELL, Jean-Rene (Universite de Liege)

Session Classification: Elastic Scattering and Total Cross-Section II

Contribution ID: 5

Type: **not specified**

Proton-Proton Elastic Scattering at LHC and Proton Structure

Tuesday, 30 June 2009 10:10 (25 minutes)

Primary author: LUDDY, Richard (University of Connecticut)

Presenter: LUDDY, Richard (University of Connecticut)

Session Classification: Elastic Scattering and Total Cross-Section II

Contribution ID: 6

Type: **not specified**

Cosmic Rays and Extensive Air Showers

Thursday, 2 July 2009 14:30 (24 minutes)

Primary author: STANEV, Todor

Presenter: STANEV, Todor

Session Classification: Cosmic Ray Physics and Related Studies at LHC

Contribution ID: 7

Type: **not specified**

TOTEM Experiment: Elastic and Total Cross Sections

Tuesday, 30 June 2009 11:00 (25 minutes)

Primary author: KASPAR, Jan (CERN & IP-AS Prague)

Presenter: KASPAR, Jan

Session Classification: Elastic Scattering and Total Cross-Section III

Contribution ID: 8

Type: **not specified**

Current concepts in theory and modelling of high energy hadronic interactions

Thursday, 2 July 2009 14:54 (24 minutes)

Presenter: WERNER, Klaus

Session Classification: Cosmic Ray Physics and Related Studies at LHC

Contribution ID: 9

Type: **not specified**

Test of hadronic interaction models with EAS data

Thursday, 2 July 2009 15:18 (24 minutes)

Presenter: HÖRANDEL, Jörg

Session Classification: Cosmic Ray Physics and Related Studies at LHC

Contribution ID: **10**

Type: **not specified**

Proton air cross section measurements with air shower experiments

Thursday, 2 July 2009 15:42 (24 minutes)

Presenter: TRINCHERO, Gian Carlo

Session Classification: Cosmic Ray Physics and Related Studies at LHC

Contribution ID: 11

Type: **not specified**

Forward experiments at LHC

Thursday, 2 July 2009 16:06 (24 minutes)

Presenter: TRICOMI, Alessia (Dipartimento di Fisica)

Session Classification: Cosmic Ray Physics and Related Studies at LHC

Contribution ID: 12

Type: **not specified**

HERA, LHC and cosmic rays

Friday, 3 July 2009 12:15 (20 minutes)

Presenter: BUNYATYAN, Armen (DESY)

Session Classification: Contributions: cosmic ray physics

Contribution ID: 13

Type: **not specified**

Conclusions: the interplay of EAS and accelerator experiments

Thursday, 2 July 2009 16:30 (5 minutes)

Presenter: HÖRANDEL, Jörg

Session Classification: Cosmic Ray Physics and Related Studies at LHC

Contribution ID: 14

Type: **not specified**

Central Exclusive Higgs Production in the MSSM

Thursday, 2 July 2009 09:55 (20 minutes)

Presenter: HEINEMEYER, Sven (CERN)

Session Classification: Central Production, Higgs

Contribution ID: 15

Type: **not specified**

Exclusive Higgs production in a triplet scenario

Thursday, 2 July 2009 10:15 (20 minutes)

Presenter: HUITU, Katri (University of Helsinki)

Session Classification: Central Production, Higgs

Contribution ID: 16

Type: **not specified**

central exclusive chi-c production

Thursday, 2 July 2009 09:10 (20 minutes)

Presenter: TERYAEV, Oleg (Joint Inst. for Nuclear Research (JINR))

Session Classification: Central Production, Higgs

Contribution ID: 17

Type: **not specified**

Central exclusive production: vector mesons, jets and Higgs

Thursday, 2 July 2009 09:30 (25 minutes)

Presenter: CUDELL, Jean-Rene (Universite de Liege)

Session Classification: Central Production, Higgs

Contribution ID: **18**

Type: **not specified**

Exclusive high mass di-leptons in CDF

Thursday, 2 July 2009 08:30 (20 minutes)

Presenter: ALBROW, Michael (Fermi National Accelerator Laboratory (FNAL))

Session Classification: Central Production, Higgs

Contribution ID: 19

Type: **not specified**

Exclusive charmonium production at CDF

Thursday, 2 July 2009 08:50 (20 minutes)

Presenter: PINFOLD, James (Department of Physics)

Session Classification: Central Production, Higgs

Contribution ID: **20**

Type: **not specified**

Overview of CEP measurements at the LHC

Thursday, 2 July 2009 11:00 (25 minutes)

Presenter: TASEVSKY, Marek (Physics Institute Prague)

Session Classification: Central Production, Higgs

Contribution ID: 21

Type: **not specified**

Optical Theorem and Elastic Nucleon Scattering

Tuesday, 30 June 2009 11:25 (20 minutes)

Primary author: LOKAJICEK, Milos (IP-AS Prague)

Presenter: LOKAJICEK, Milos (Institute of Physics, AS CR)

Session Classification: Elastic Scattering and Total Cross-Section III

Contribution ID: 22

Type: **not specified**

Pomeron, Duality, Saturation etc.

Tuesday, 30 June 2009 11:45 (25 minutes)

Presenter: TAN, Chung-I (Brown)

Session Classification: Elastic Scattering and Total Cross-Section III

Contribution ID: 23

Type: **not specified**

Theoretical overview on soft diffraction

Monday, 29 June 2009 10:45 (30 minutes)

Presenter: KAIDALOV, Alexei

Session Classification: Soft Diffraction I

Contribution ID: 24

Type: **not specified**

Description of soft diffraction in the framework of reggeon calculus. Predictions for LHC.

Monday, 29 June 2009 11:15 (20 minutes)

Presenter: POGHOSYAN, Martin (Yerevan Physics Institute)

Session Classification: Soft Diffraction I

Contribution ID: 25

Type: **not specified**

Soft Scattering Re-Visited

Monday, 29 June 2009 11:35 (30 minutes)

Presenter: MAOR, Uri

Session Classification: Soft Diffraction I

Contribution ID: 26

Type: **not specified**

Aspects of Higgs production at the LHC

Monday, 29 June 2009 12:05 (20 minutes)

Presenter: GOTSMAN, Errol (Asher)

Session Classification: Soft Diffraction I

Contribution ID: 27

Type: **not specified**

Color fluctuations and gap survival probability at LHC

Monday, 29 June 2009 12:25 (20 minutes)

Presenter: STRIKMAN, Mark

Session Classification: Soft Diffraction I

Contribution ID: 28

Type: **not specified**

Diffraction at ALICE

Monday, 29 June 2009 16:00 (30 minutes)

Presenter: SCHICKER, Rainer

Session Classification: Diffraction at the LHC

Contribution ID: 29

Type: **not specified**

Diffraction at CMS

Monday, 29 June 2009 14:30 (30 minutes)

Presenter: CARVALHO, Wagner (Instituto de Fisica-Universidade do Estado do Rio De Janeiro (UE))

Session Classification: Diffraction at the LHC

Contribution ID: **30**

Type: **not specified**

Diffraction at TOTEM

Monday, 29 June 2009 15:00 (30 minutes)

Presenter: GIANI, Simone (CERN)

Session Classification: Diffraction at the LHC

Contribution ID: 31

Type: **not specified**

pp Elastic Spin Observables Confront QCD

Tuesday, 30 June 2009 12:10 (25 minutes)

Primary author: SIVERS, Dennis (Michigan)

Presenter: SIVERS, Dennis (Michigan)

Session Classification: Elastic Scattering and Total Cross-Section III

Contribution ID: 32

Type: **not specified**

ATLAS plans on soft and hard diffraction at the early LHC

Monday, 29 June 2009 15:30 (30 minutes)

Presenter: JURANEK, Vojtech (Institute of Physics)

Session Classification: Diffraction at the LHC

Contribution ID: 33

Type: **not specified**

Reflective Elastic Scattering at LHC

Tuesday, 30 June 2009 12:35 (25 minutes)

Primary author: TROSHIN, Sergey (IHEP-Protvino)

Presenter: TROSHIN, Sergey (IHEP, Protvino, Russia)

Session Classification: Elastic Scattering and Total Cross-Section III

Contribution ID: 34

Type: **not specified**

Summary on theoretical aspects

Friday, 3 July 2009 14:30 (45 minutes)

Presenter: SOFFER, Jacques (Temple University, Philadelphia)

Session Classification: Summary Session

Contribution ID: 35

Type: **not specified**

Summary on experimental aspects

Friday, 3 July 2009 15:15 (45 minutes)

Presenter: DAINTON, John (The Cockcroft Institute)

Session Classification: Summary Session

Contribution ID: 36

Type: **not specified**

Summary of the discussion session

Friday, 3 July 2009 16:00 (30 minutes)

Presenter: EGGERT, Karsten (CERN)

Session Classification: Summary Session

Contribution ID: 37

Type: **not specified**

Beauty baryon production in p-p collisions at LHC and b-quark distribution in the proton

Friday, 3 July 2009 11:20 (15 minutes)

Presenter: LYKASOV, Gennady (Joint Institute for Nuclear Research)

Session Classification: Contributions: forward physics and low-x QCD

Contribution ID: **38**

Type: **not specified**

Higher-twist dynamics in large p_T hadron production

Friday, 3 July 2009 11:35 (20 minutes)

Presenter: ARLEO, Francois (CERN)

Session Classification: Contributions: forward physics and low- x QCD

Contribution ID: 39

Type: **not specified**

Initial-state interactions in Drell-Yan processes at hadron collisions

Friday, 3 July 2009 11:55 (20 minutes)

Presenter: HWANG, Dae Sung

Session Classification: Contributions: forward physics and low-x QCD

Contribution ID: 40

Type: **not specified**

QCD and heavy-ions: RHIC overview

Thursday, 2 July 2009 11:25 (25 minutes)

Presenter: GRANIER DE CASSAGNAC, Raphael (LLR)

Session Classification: Heavy Ion Physics

Contribution ID: 41

Type: **not specified**

QCD and heavy-ions: LHC prospects

Thursday, 2 July 2009 11:50 (25 minutes)

Presenter: MARTINEZ-GARCIA, Gines (Laboratoire de Physique Subatomique et des Technologies Associees)

Session Classification: Heavy Ion Physics

Contribution ID: 42

Type: **not specified**

QCD and heavy-ions at high-energies: phenomenological aspects

Thursday, 2 July 2009 12:15 (25 minutes)

Presenter: OLLITRAULT, Jean-Yves (SPhT, Saclay)

Session Classification: Heavy Ion Physics

Contribution ID: 43

Type: **not specified**

Medium tomography with jet clustering algorithms

Thursday, 2 July 2009 12:40 (25 minutes)

Presenter: ROJO, Juan (INFN)

Session Classification: Heavy Ion Physics

Contribution ID: 44

Type: **not specified**

Critical phenomena in hadron- and lepton-induced reactions

Friday, 3 July 2009 11:00 (20 minutes)

Presenter: JENKOVSKY, Laszlo

Session Classification: Contributions: forward physics and low-x QCD

Contribution ID: 46

Type: **not specified**

Sensitivity to anomalous $WW\gamma$, $\gamma\gamma WW$ and $\gamma\gamma ZZ$ couplings in photon induced processes at the LHC

Wednesday, 1 July 2009 13:50 (20 minutes)

Presenter: KEPKA, Oldrich (Centre d'Etudes de Saclay (CEN Saclay))

Session Classification: Contributions: photon-induced and heavy-ion physics

Contribution ID: 47

Type: **not specified**

Spin correlations in the Λ Λ and Λ $\bar{\Lambda}$ systems generated in relativistic heavy ion collisions

Wednesday, 1 July 2009 14:10 (20 minutes)

Presenter: LYUBOSHITZ, Valery

Session Classification: Contributions: photon-induced and heavy-ion physics

Contribution ID: 48

Type: **not specified**

Unusual event alignment topologies in cosmic rays and expectation for the LHC

Friday, 3 July 2009 12:35 (20 minutes)

Presenter: SNIGIREV, Alexandre (Moscow State University)

Session Classification: Contributions: cosmic ray physics

Contribution ID: 49

Type: **not specified**

Analytic properties of DPE amplitudes

Wednesday, 1 July 2009 08:30 (20 minutes)

Primary author: TERYAEV, Oleg

Presenter: TERYAEV, Oleg (Joint Inst. for Nuclear Research (JINR)-Unknown-Unknown)

Session Classification: Hard Diffraction I

Contribution ID: 50

Type: **not specified**

Factorization Breaking in Diffraction

Monday, 29 June 2009 17:00 (30 minutes)

Presenter: GOULIANOS, Konstantin (The Rockefeller University)

Session Classification: Soft Diffraction II

Contribution ID: 51

Type: **not specified**

Soft interaction processes at HERA: leading baryons, multi-parton interactions

Monday, 29 June 2009 17:30 (30 minutes)

Presenter: BUNYATYAN, Armen (DESY)

Session Classification: Soft Diffraction II

Contribution ID: 52

Type: **not specified**

Diffraction and Total pp Cross Sections at the LHC

Monday, 29 June 2009 18:00 (20 minutes)

Presenter: GOULIANOS, Konstantin (The Rockefeller University)

Session Classification: Elastic Scattering and Total Cross-Section I

Contribution ID: 54

Type: **not specified**

GPDs of the nucleons and elastic scattering at LHC energies

Monday, 29 June 2009 18:40 (20 minutes)

Presenter: SELYUGIN, Oleg

Session Classification: Elastic Scattering and Total Cross-Section I

Contribution ID: 55

Type: **not specified**

Low-x Structure Functions using Discrete BFKL Pomerons

Wednesday, 1 July 2009 08:50 (20 minutes)

Primary author: ROSS, Douglas

Presenter: ROSS, Douglas

Session Classification: Hard Diffraction I

Contribution ID: 56

Type: **not specified**

Soft gluon resummation for gaps between jets

Wednesday, 1 July 2009 09:10 (20 minutes)

Primary author: MARZANI, Simone

Presenter: MARZANI, Simone (University of Manchester)

Session Classification: Hard Diffraction I

Contribution ID: 57

Type: **not specified**

CDF Results on Diffraction

Wednesday, 1 July 2009 09:30 (30 minutes)

Primary author: MESROPIAN, Christina

Presenter: MESROPIAN, Christina (The Rockefeller University)

Session Classification: Hard Diffraction I

Contribution ID: 58

Type: **not specified**

Inclusive hard diffraction at HERA

Wednesday, 1 July 2009 10:00 (30 minutes)

Primary author: PROSKURYAKOV, Alexander

Presenter: PROSKURYAKOV, Alexander (M.V. Lomonosov Moscow State University)

Session Classification: Hard Diffraction I

Contribution ID: 59

Type: **not specified**

Exclusive hard diffraction at HERA

Wednesday, 1 July 2009 11:00 (20 minutes)

Presenter: MARAGE, Pierre

Session Classification: Hard Diffraction II

Contribution ID: **60**

Type: **not specified**

HERMES: New DVCS results

Wednesday, 1 July 2009 11:20 (20 minutes)

Presenter: YASHCHENKO, Sergey

Session Classification: Hard Diffraction II

Contribution ID: **61**

Type: **not specified**

Low x Physics Possibilities at an LHeC

Wednesday, 1 July 2009 11:40 (25 minutes)

Primary author: NEWMAN, Paul

Presenter: Dr NEWMAN, Paul (Birmingham University)

Session Classification: Hard Diffraction II

Contribution ID: **62**

Type: **not specified**

The J/psi way to nuclear structure

Wednesday, 1 July 2009 12:05 (25 minutes)

Primary author: KOWALSKI, Henri

Presenter: KOWALSKI, Henri Paul (Deutsches Elektronen Synchrotron (DESY))

Session Classification: Hard Diffraction II

Contribution ID: 63

Type: **not specified**

Ultra-peripheral Collisions in PHENIX

Thursday, 2 July 2009 17:00 (20 minutes)

Presenter: CONESA DEL VALLE, Zaida (LLR)

Session Classification: Photon-Induced Physics

Contribution ID: 64

Type: **not specified**

Ultra-peripheral Collisions in STAR

Thursday, 2 July 2009 17:20 (20 minutes)

Presenter: GRUBE, Boris (Technische Universitat Munchen)

Session Classification: Photon-Induced Physics

Contribution ID: 65

Type: **not specified**

Two-photon interactions at BELLE and BaBar

Thursday, 2 July 2009 17:40 (30 minutes)

Presenter: EIDELMAN, Simon (Budker Institute for Nuclear Physics (INP))

Session Classification: Photon-Induced Physics

Contribution ID: 67

Type: **not specified**

Probing high gluon densities in UPC processes with production of J/ψ

Thursday, 2 July 2009 18:10 (20 minutes)

Presenter: FRANKFURT, Leonid

Session Classification: Photon-Induced Physics

Contribution ID: **68**

Type: **not specified**

Ultra-peripheral Collisions in CMS

Thursday, 2 July 2009 18:30 (20 minutes)

Presenter: HOLLAR, Jonathan Jason (Lawrence Livermore Nat. Laboratory (LLNL))

Session Classification: Photon-Induced Physics

Contribution ID: 70

Type: **not specified**

Amplitudes in the Coulomb Interference Region of p-p and p-pbar Scattering

Monday, 29 June 2009 18:20 (20 minutes)

Presenter: FERREIRA, Erasmo (Universidade Federal do Rio de Janeiro)

Session Classification: Elastic Scattering and Total Cross-Section I

Contribution ID: 71

Type: **not specified**

HERA results on small x and forward jets

Friday, 3 July 2009 08:30 (20 minutes)

Presenter: KHEIN, Lev (MSU)

Session Classification: Forward physics & low-x QCD

Contribution ID: 73

Type: **not specified**

Forward jets physics in ATLAS, CMS and LHCb

Friday, 3 July 2009 08:50 (25 minutes)

Presenter: D'ENTERRIA, David (CERN)

Session Classification: Forward physics & low-x QCD

Contribution ID: 74

Type: **not specified**

Saturation

Friday, 3 July 2009 09:15 (20 minutes)

Presenter: AVSAR, Emil (CEA/Saclay)

Session Classification: Forward physics & low-x QCD

Contribution ID: 75

Type: **not specified**

Standard dilute BFKL

Friday, 3 July 2009 09:35 (20 minutes)

Presenter: SCHWENNSEN, Florian (Universite Paris-Sud)

Session Classification: Forward physics & low-x QCD

Contribution ID: 76

Type: **not specified**

Saturation in nuclei

Friday, 3 July 2009 09:55 (20 minutes)

Presenter: LAPPI, Tuomas (CEA/Saclay)

Session Classification: Forward physics & low-x QCD

Contribution ID: 77

Type: **not specified**

Small x related issues

Friday, 3 July 2009 10:15 (15 minutes)

Presenter: HAUTMANN, Francesco (Institute of Theoretical Physics)

Session Classification: Forward physics & low-x QCD

Contribution ID: 78

Type: **not specified**

Welcome

Monday, 29 June 2009 09:30 (15 minutes)

Presenter: BERTOLUCCI, Sergio (CERN)

Session Classification: Introduction session

Contribution ID: 79

Type: **not specified**

Startup planning for the LHC and operation scenario for forward physics

Monday, 29 June 2009 09:45 (30 minutes)

(title to be refined)

Presenter: BURKHARDT, Helmut (CERN)

Session Classification: Introduction session

Contribution ID: **80**

Type: **not specified**

Fermilab

Tuesday, 30 June 2009 14:30 (30 minutes)

Primary author: GOULIANOS, Konstantin (The Rockefeller University)

Presenter: GOULIANOS, Konstantin (The Rockefeller University)

Session Classification: Past and Future of Forward Physics Experiments I

Contribution ID: **81**

Type: **not specified**

HERA

Tuesday, 30 June 2009 15:00 (30 minutes)

Primary author: KOWALSKI, Henri

Presenter: KOWALSKI, Henri Paul (Deutsches Elektronen Synchrotron (DESY))

Session Classification: Past and Future of Forward Physics Experiments I

Contribution ID: **82**

Type: **not specified**

ATLAS

Tuesday, 30 June 2009 15:30 (30 minutes)

Presenter: ZOCCOLI, Antonio (Bologna)

Session Classification: Past and Future of Forward Physics Experiments I

Contribution ID: **83**

Type: **not specified**

CMS

Tuesday, 30 June 2009 16:00 (30 minutes)

Primary author: PIOTRKOSWIKI, Krzysztof

Presenter: PIOTRKOWSKI, Krzysztof (Universite Catholique de Louvain)

Session Classification: Past and Future of Forward Physics Experiments I

Contribution ID: **84**

Type: **not specified**

TOTEM

Tuesday, 30 June 2009 17:00 (30 minutes)

Presenter: RUGGIERO, Gennaro (CERN)

Session Classification: Past and future of forward physics experiments II

Contribution ID: 85

Type: **not specified**

One-particle inclusive distribution in the unitarized pomeron models

Monday, 29 June 2009 12:45 (15 minutes)

Presenter: MARTYNOV, Evgenij (Bogolyubov Institute for Theoretical Physics (ITP))

Session Classification: Soft Diffraction I

Contribution ID: **88**

Type: **not specified**

Does High Energy Behavior Depend on Quark Masses?

Thursday, 2 July 2009 18:50 (15 minutes)

Presenter: PETROV, Vladimir (State Res.Center of Russian Feder. Inst.f.High Energy Phys. (IFVE))

Session Classification: Contribution