

**EDS Blois 2013: The 15th  
conference on Elastic and  
Diffractive scattering**

**Report of Contributions**

Contribution ID: 0

Type: **not specified**

# **TOTEM Results on Elastic Scattering and Total Cross-Section**

*Monday, 9 September 2013 09:30 (30 minutes)*

**Presenter:** KASPAR, Jan (CERN)

**Session Classification:** Elastic and total cross section

Contribution ID: 1

Type: **not specified**

## **Proton Structure and Elastic Scattering Amplitudes**

*Monday, 9 September 2013 10:00 (20 minutes)*

**Presenter:** DREMIN, Igor (Russian Academy of Sciences (RU))

**Session Classification:** Elastic and total cross section

Contribution ID: 2

Type: **not specified**

## **pp Elastic Amplitudes in t and b Spaces**

*Monday, 9 September 2013 10:20 (20 minutes)*

**Presenter:** KOHARA, Anderson Kendi

**Session Classification:** Elastic and total cross section

Contribution ID: 3

Type: **not specified**

## **Performances of the ATLAS/ALFA Roman Pots System**

*Monday, 9 September 2013 11:10 (20 minutes)*

**Presenter:** ABDEL KHALEK, Samah (Universite de Paris-Sud 11 (FR))

**Session Classification:** Elastic and total cross section

Contribution ID: 4

Type: **not specified**

## **High-Energy pp Elastic Scattering in Condensate-Enclosed Chiral-Bag Model and TOTEM Elastic Measurements at LHC at 7 TeV**

*Monday, 9 September 2013 11:30 (20 minutes)*

**Presenter:** ISLAM, Munir

**Session Classification:** Elastic and total cross section

Contribution ID: 5

Type: **not specified**

## **Identifying the Elastic and Inelastic, Diffractive and Non-diffractive Components of the Total Cross-Section at the LHC**

*Monday, 9 September 2013 11:50 (20 minutes)*

**Presenter:** JENKOVSZKY, Laszlo (National Academy of Sciences of Ukraine)

**Session Classification:** Elastic and total cross section

Contribution ID: 6

Type: **not specified**

## **Some Problems of the Determination of $\sigma_{\text{tot}}$ at LHC**

*Monday, 9 September 2013 12:10 (20 minutes)*

**Presenter:** SELYUGIN, Oleg

**Session Classification:** Elastic and total cross section



Contribution ID: 7

Type: **not specified**

## **Recent Results in Polarized Proton-Proton Elastic Scattering at STAR**

*Monday, 9 September 2013 12:30 (20 minutes)*

**Presenter:** ADAMCZYK, Leszek (AGH University of Science and Technology (PL))

**Session Classification:** Elastic and total cross section

Contribution ID: 8

Type: **not specified**

## **Polarized Beams and Violent Collisions of Spinning Protons: Past and Possibly at Fermilab**

*Monday, 9 September 2013 12:50 (20 minutes)*

**Presenter:** KRISCH, Alan

**Session Classification:** Elastic and total cross section

Contribution ID: 9

Type: **not specified**

## **ATLAS results on soft diffraction**

*Tuesday, 10 September 2013 09:40 (20 minutes)*

**Presenter:** MONZANI, Simone (Universita e INFN (IT))

**Session Classification:** Soft diffraction

Contribution ID: **10**

Type: **not specified**

## **CMS results on soft diffraction**

*Tuesday, 10 September 2013 10:00 (20 minutes)*

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

**Session Classification:** Soft diffraction

Contribution ID: 11

Type: **not specified**

## **LHCb results on soft diffraction**

*Tuesday, 10 September 2013 11:00 (20 minutes)*

**Presenter:** MEISSNER, Marco (Ruprecht-Karls-Universitaet Heidelberg (DE))

**Session Classification:** Soft diffraction

Contribution ID: 12

Type: **not specified**

## **LHCf results on soft diffraction**

**Presenter:** ADRIANI, Oscar (Universita e INFN (IT))

Contribution ID: 13

Type: **not specified**

## Totem results on soft diffraction

*Tuesday, 10 September 2013 09:20 (20 minutes)*

**Presenter:** OLJEMARK, Fredrik (Helsinki Institute of Physics (FI))

**Session Classification:** Soft diffraction

Contribution ID: 14

Type: **not specified**

## **Wilson loop correlators on the lattice and the asymptotic high-energy behaviour of hadronic total cross sections**

*Tuesday, 10 September 2013 11:20 (20 minutes)*

**Presenter:** GIORDANO, Matteo (CEA-Saclay)

**Session Classification:** Soft diffraction



Contribution ID: 15

Type: **not specified**

## **Low missing mass single and double diffraction dissociation at the LHC**

*Tuesday, 10 September 2013 11:40 (20 minutes)*

**Presenter:** JENKOVSKY, Laszlo (National Academy of Sciences of Ukraine)

**Session Classification:** Soft diffraction

Contribution ID: 16

Type: **not specified**

## **s And t Unitarity Screening As A fundamental Ingredient In Soft Scattering**

*Tuesday, 10 September 2013 12:00 (20 minutes)*

**Presenter:** MAOR, URI (Tel Aviv University)

**Session Classification:** Soft diffraction

Contribution ID: 17

Type: **not specified**

## **Phenomenology of single and double diffraction dissociation**

*Tuesday, 10 September 2013 12:20 (20 minutes)*

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

**Session Classification:** Soft diffraction

Contribution ID: **18**

Type: **not specified**

## **A model for soft high-energy scattering with a tensor pomeron**

**Presenter:** EWERZ, Carlo (EMMI, GSI and Heidelberg University)

Contribution ID: 19

Type: **not specified**

## **Hard diffraction at the TEVATRON**

*Tuesday, 10 September 2013 15:00 (30 minutes)*

**Presenter:** GOULIANOS, Dino

**Session Classification:** Hard diffraction

Contribution ID: 20

Type: **not specified**

## Hard diffraction at HERA

*Tuesday, 10 September 2013 15:30 (30 minutes)*

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

**Session Classification:** Hard diffraction

Contribution ID: **21**

Type: **not specified**

## **CMS results on hard diffraction**

*Tuesday, 10 September 2013 16:00 (30 minutes)*

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

**Session Classification:** Hard diffraction

Contribution ID: 22

Type: **not specified**

## **Diffractive W-production**

*Tuesday, 10 September 2013 17:00 (30 minutes)*

**Presenter:** PASECHNIK, Roman (Lund University)

**Session Classification:** Hard diffraction



Contribution ID: 23

Type: **not specified**

## **Pomeron structure in dijet and gamma-jet events**

*Tuesday, 10 September 2013 17:30 (30 minutes)*

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

**Session Classification:** Hard diffraction

Contribution ID: 24

Type: **not specified**

## **New formulation for central production in high-energy diffractive excitations at very high center-of-mass energies**

*Tuesday, 10 September 2013 18:00 (30 minutes)*

**Presenter:** CHUNG, Suh-Urk (Pusan National University (KR))

**Session Classification:** Hard diffraction

Contribution ID: 25

Type: **not specified**

## **Status report LHC working group on diffraction**

*Tuesday, 10 September 2013 18:30 (30 minutes)*

**Presenter:** KEPKA, Oldrich (Acad. of Sciences of the Czech Rep. (CZ))

**Session Classification:** Hard diffraction

Contribution ID: 26

Type: **not specified**

## **Forward Diffractive Heavy Flavour production**

*Wednesday, 11 September 2013 09:00 (20 minutes)*

**Presenter:** PASECHNIK, Roman (Lund University)

**Session Classification:** CEP & new physics with rapidity gaps

Contribution ID: 27

Type: **not specified**

## **Exclusive Production at HERA**

*Wednesday, 11 September 2013 09:20 (20 minutes)*

**Presenter:** MALKA, Janusz (DESY)

**Session Classification:** CEP & new physics with rapidity gaps

Contribution ID: 28

Type: **not specified**

## **Exclusive meson pair production and the gluonic component of the eta, eta' mesons**

*Wednesday, 11 September 2013 09:40 (20 minutes)*

**Presenter:** HARLAND-LANG, Lucian

**Session Classification:** CEP & new physics with rapidity gaps

Contribution ID: 29

Type: **not specified**

## **Central production of two-pseudoscalar final states at COMPASS**

*Wednesday, 11 September 2013 10:00 (20 minutes)*

**Presenter:** AUSTREGESILO, Alexander (Technische Universitaet Muenchen (DE))

**Session Classification:** CEP & new physics with rapidity gaps

Contribution ID: **30**

Type: **not specified**

## **Central Exclusive Hadrons in CDF**

*Wednesday, 11 September 2013 10:20 (25 minutes)*

**Presenter:** ALBROW, Michael (Fermi National Accelerator Lab. (US))

**Session Classification:** CEP & new physics with rapidity gaps



Contribution ID: 31

Type: **not specified**

## Central Exclusive Production in STAR (RHIC)

*Wednesday, 11 September 2013 11:10 (20 minutes)*

**Presenter:** ADAMCZYK, Leszek (AGH University of Science and Technology (PL))

**Session Classification:** CEP & new physics with rapidity gaps

Contribution ID: 32

Type: **not specified**

## **LHCb: Excl J/psi and chi\_c**

**Presenter:** STEVENSON, Scott (University of Oxford (GB))

Contribution ID: **33**

Type: **not specified**

## **Update on CEP Higgs**

*Wednesday, 11 September 2013 11:30 (20 minutes)*

**Presenter:** KHOZE, Valery (University of Durham (GB))

**Session Classification:** CEP & new physics with rapidity gaps

Contribution ID: **34**

Type: **not specified**

## **CEP MSSM Higgs**

*Wednesday, 11 September 2013 11:50 (20 minutes)*

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

**Session Classification:** CEP & new physics with rapidity gaps

Contribution ID: 35

Type: **not specified**

## ALICE UPC in PbPb

Contribution ID: **36**

Type: **not specified**

## **ALICE UPC in pPb**

Contribution ID: 37

Type: **not specified**

## CMS UPC

Contribution ID: **38**

Type: **not specified**

## Atlas UPC



Contribution ID: **39**

Type: **not specified**

## **LHCb UPC (from pp)**

Contribution ID: 40

Type: **not specified**

## **UPC at RHIC (PHENIX & STAR combined)**

Contribution ID: 41

Type: **not specified**

## **Theory, two-photon interactions**

**Presenter:** SERBO, Valery

Contribution ID: 42

Type: **not specified**

## **Theory, photon-nucleus and photon-proton**

**Presenter:** LAPPI, Tuomas (University of Jyvaskyla)

Contribution ID: 43

Type: **not specified**

## Theory

Contribution ID: 44

Type: **not specified**

## Theory

Contribution ID: 45

Type: **not specified**

## **RHIC HI results**

*Thursday, 12 September 2013 15:00 (30 minutes)*

**Presenter:** DAVID, Gabor (Brookhaven National Laboratory)

**Session Classification:** Heavy ions

Contribution ID: 46

Type: **not specified**

## **from Color Glass Condensate to Pomeron and Odderons**

*Thursday, 12 September 2013 15:30 (30 minutes)*

**Presenter:** JALLIAN-MARIAN, Jamal

**Session Classification:** Heavy ions



Contribution ID: 47

Type: **not specified**

## **Flow of Gluon Fields in Nuclear Collisions**

*Thursday, 12 September 2013 16:00 (30 minutes)*

**Presenter:** FRIES, Rainer (Texas A&M University)

**Session Classification:** Heavy ions

Contribution ID: 48

Type: **not specified**

## **Initial energy density of p+p collisions at the LHC**

*Thursday, 12 September 2013 17:30 (30 minutes)*

**Presenter:** CSORGO, Tamas (Wigner Research Centre for Physics (Wigner RCP) (HU))

**Session Classification:** Heavy ions

Contribution ID: 49

Type: **not specified**

## Heavy quarkonium production

**Presenter:** QIU, Jianwei (Brookhaven National Lab)

Contribution ID: 50

Type: **not specified**

## **Hydrodynamics vs perturbative QCD mechanism in production of hadrons in heavy ion collisions**

*Thursday, 12 September 2013 17:00 (30 minutes)*

**Presenter:** Dr NEMCIK, Jan (Czech Technical University in Prague (CZ) and Institute of Experimental Physics, Kosice (SK))

**Session Classification:** Heavy ions

Contribution ID: 51

Type: **not specified**

## Low-x results from HERA

*Monday, 9 September 2013 15:00 (25 minutes)*

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

**Session Classification:** Low-x QCD

Contribution ID: 52

Type: **not specified**

## **New results on possible higher twist contributions in proton diffractive structure functions at low x**

*Monday, 9 September 2013 15:25 (20 minutes)*

**Presenter:** SADZIKOWSKI, Mariusz (Jagiellonian University)

**Session Classification:** Low-x QCD

Contribution ID: 53

Type: **not specified**

## **Models of the hadron structure and data of the TOTEM Collaboration**

*Monday, 9 September 2013 15:45 (20 minutes)*

**Presenter:** SELYUGIN, Oleg

**Session Classification:** Low-x QCD

Contribution ID: 54

Type: **not specified**

## LHCf results

*Monday, 9 September 2013 16:05 (25 minutes)*

**Presenter:** ADRIANI, Oscar (Universita e INFN (IT))

**Session Classification:** Low-x QCD



Contribution ID: 55

Type: **not specified**

## **BFKL tests at hadronic colliders**

*Monday, 9 September 2013 17:00 (25 minutes)*

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

**Session Classification:** Low-x QCD

Contribution ID: 56

Type: **not specified**

## Low x QCD from CMS

*Monday, 9 September 2013 17:25 (25 minutes)*

**Presenter:** MISIURA, Maciej (University of Warsaw (PL))

**Session Classification:** Low-x QCD

Contribution ID: 57

Type: **not specified**

## **ATLAS measurement of energy flow at low x**

*Monday, 9 September 2013 17:50 (25 minutes)*

**Presenter:** SYKORA, Tomas (Charles University (CZ))

**Session Classification:** Low-x QCD

Contribution ID: 58

Type: **not specified**

## **Production of Hadrons and Jets with Large Rapidity Gaps in CMS**

Contribution ID: 59

Type: **not specified**

## **The PPS (Precision Proton Spectrometers) project in CMS, Status**

*Wednesday, 11 September 2013 12:20 (10 minutes)*

**Presenter:** ALBROW, Michael (Fermi National Accelerator Lab. (US))

**Session Classification:** CEP & new physics with rapidity gaps

Contribution ID: **60**

Type: **not specified**

## **The ATLAS Forward Proton (AFP) project, Status**

*Wednesday, 11 September 2013 12:30 (10 minutes)*

**Presenter:** SYKORA, Tomas (Charles University (CZ))

**Session Classification:** CEP & new physics with rapidity gaps

Contribution ID: **61**

Type: **not specified**

## **Discussion on future**

Contribution ID: **62**

Type: **not specified**

## **Recent soft diffraction results from HERA**

*Tuesday, 10 September 2013 09:00 (20 minutes)*

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

**Session Classification:** Soft diffraction



Contribution ID: **63**

Type: **not specified**

## **TOTEM future plans**

*Wednesday, 11 September 2013 12:10 (10 minutes)*

**Presenter:** OESTERBERG, Kenneth (Helsinki Institute of Physics (FI))

**Session Classification:** CEP & new physics with rapidity gaps

Contribution ID: 64

Type: **not specified**

## **Results on ultra-peripheral interactions in Pb-Pb and p-Pb collisions in ALICE**

*Thursday, 12 September 2013 09:30 (40 minutes)*

**Presenter:** SCAPPARONE, Eugenio (INFN-Bologna(IT))

**Session Classification:** Ultraperipheral physics

Contribution ID: 65

Type: **not specified**

## **Latest RHIC results on ultraperipheral collisions**

*Thursday, 12 September 2013 11:00 (30 minutes)*

**Presenter:** DEBBE, Ramiro (Brookhaven National Laboratory)

**Session Classification:** Ultraperipheral physics

Contribution ID: 66

Type: **not specified**

## **Models for exclusive vector meson production in heavy-ion collisions**

*Thursday, 12 September 2013 11:30 (30 minutes)*

**Presenter:** LAPPI, Tuomas (University of Jyvaskyla)

**Session Classification:** Ultraperipheral physics

Contribution ID: 67

Type: **not specified**

## **Exclusive photoproduction of J/psi and psi(2S) states in pp and AA collisions at the LHC**

*Thursday, 12 September 2013 12:00 (30 minutes)*

**Presenter:** MACHADO, Magno (Unknown)

**Session Classification:** Ultraperipheral physics

Contribution ID: **68**

Type: **not specified**

## **Exclusive particle production in photon-photon and photon-proton collisions at LHCb**

*Thursday, 12 September 2013 09:00 (30 minutes)*

**Presenter:** STEVENSON, Scott (University of Oxford (GB))

**Session Classification:** CEP and Ultrapерipheral physics

Contribution ID: **69**

Type: **not specified**

## **Recent results from IceCube**

*Friday, 13 September 2013 09:30 (30 minutes)*

**Presenter:** FINLEY, Chad

**Session Classification:** Cosmic rays

Contribution ID: 70

Type: **not specified**

## **Particle physics with the Pierre Auger Observatory**

*Friday, 13 September 2013 10:00 (30 minutes)*

**Presenter:** TRAVNICEK, Petr (Acad. of Sciences of the Czech Rep. (CZ))

**Session Classification:** Cosmic rays



Contribution ID: 71

Type: **not specified**

## Welcome talk

*Monday, 9 September 2013 09:00 (30 minutes)*

**Presenter:** MAKI, Tuula (Helsinki Institute of Physics (FI))

**Session Classification:** Welcome

Contribution ID: 72

Type: **not specified**

## **Higgs boson - on your own**

*Thursday, 12 September 2013 18:00 (10 minutes)*

**Presenter:** CSORGO, Tamas (Wigner Research Centre for Physics (Wigner RCP) (HU))

**Session Classification:** Outreach

Contribution ID: 73

Type: **not specified**

## Conference dinner

*Thursday, 12 September 2013 19:00 (4 hours)*

**Session Classification:** Conference dinner

Contribution ID: 74

Type: **not specified**

## Summary

*Friday, 13 September 2013 11:00 (1 hour)*

**Presenter:** ALBROW, Michael (Fermi National Accelerator Lab. (US))

**Session Classification:** Summary