

2nd CERN-ECFA-NuPECC Workshop on the LHeC



Report of Contributions

Contribution ID: 0

Type: **not specified**

Registration

Tuesday, 1 September 2009 12:30 (1h 30m)

Contribution ID: 1

Type: **not specified**

LHeC Steering Group Report

Tuesday, 1 September 2009 15:30 (30 minutes)

Presenter: KLEIN, Max (Liverpool)

Session Classification: Opening

Contribution ID: 2

Type: **not specified**

Accelerator Overview

Contribution ID: 3

Type: **not specified**

Physics Overview

Contribution ID: 4

Type: **not specified**

Expected NC and CC data at the LHeC and PDF extractions (TBC)

Presenter: KLEIN, Max

Contribution ID: 5

Type: **not specified**

QCD and electroweak fits of NC and CC data at the LHeC

Primary author: GWENLAN, Claire (University of Oxford)

Contribution ID: 6

Type: **not specified**

NNPDF fits of LHeC pseudodata

Presenter: GUFFANTI, Alberto (Freiburg)

Contribution ID: 7

Type: **not specified**

SM Higgs cross section with NNPDF LHeC pdfs (TBC)

Presenter: VICINI, Alessandro (Dip. di Fisica Nucleare e Teorica-Universita degli Studi di Pavi)

Contribution ID: 8

Type: **not specified**

QCD/EW/QED corrections needed for LHeC

Presenter: PICCININI, Fulvio (Unknown)

Contribution ID: 9

Type: **not specified**

Electroweak results and constraints (or ruling out) of models (TBC)

Presenter: NANDI, Sumitra (Torino)

Contribution ID: 10

Type: **not specified**

alpha_s determination at LHeC

Presenter: KLUGE, Thomas (Department of Physics-Oliver Lodge Laboratory-University of Live)

Contribution ID: 11

Type: **not specified**

Jets in DIS at LHeC

Presenter: BEHR, Joerg

Contribution ID: 13

Type: **not specified**

LHeC Studies with Sherpa

Presenter: HOECHE, Stefan (University of Zurich)

Contribution ID: 14

Type: **not specified**

g(x) with heavy flavours at the LHeC based gamma-p colliders

Presenter: Dr UNEL, Gokhan (U.C. Irvine)

Contribution ID: 15

Type: **not specified**

Welcome addresses

Tuesday, 1 September 2009 14:00 (30 minutes)

Presenters: GAARDHOEJE, Jens-Joergen (NBI Copenhagen, NuPECC); BERTOLUCCI, Sergio (CERN); NAKADA, Tatsuya (EPFL Lausanne, ECFA)

Session Classification: Opening

Contribution ID: 16

Type: **not specified**

Particle Physics and the LHeC

Tuesday, 1 September 2009 14:30 (1 hour)

Presenter: QUIGG, Chris (Fermilab)

Session Classification: Opening

Contribution ID: 17

Type: **not specified**

Ring-Ring (RR) and Interaction Region (IR)

Tuesday, 1 September 2009 16:30 (30 minutes)

Presenter: HOLZER, Bernhard

Session Classification: Accelerator Overview

Contribution ID: **18**

Type: **not specified**

Linac-Ring (LR)

Tuesday, 1 September 2009 17:00 (30 minutes)

Presenter: ZIMMERMANN, Frank

Session Classification: Accelerator Overview

Contribution ID: **19**

Type: **not specified**

Detector

Tuesday, 1 September 2009 17:30 (30 minutes)

Presenter: POLINI, Alessandro

Session Classification: Accelerator Overview

Contribution ID: 20

Type: **not specified**

LHeC based yp/A Colliders - Luminosity and Physics

Tuesday, 1 September 2009 18:00 (30 minutes)

Presenter: SULTANSOY, Saleh

Session Classification: Accelerator Overview

Contribution ID: 21

Type: **not specified**

e-RHIC

Tuesday, 1 September 2009 18:30 (30 minutes)

Presenter: LITVINENKO, Vladimir

Session Classification: Accelerator Overview

Contribution ID: 22

Type: **not specified**

Beam-Beam Effects

Wednesday, 2 September 2009 09:00 (25 minutes)

Presenter: HERR, Werner

Session Classification: ACC/IRF/DET

Contribution ID: 23

Type: **not specified**

IR Design for LR

Wednesday, 2 September 2009 09:25 (25 minutes)

Presenter: TOMAS, Rogelio

Session Classification: ACC/IRF/DET

Contribution ID: 24

Type: **not specified**

Considerations for RR

Wednesday, 2 September 2009 09:50 (20 minutes)

Presenter: BURKHARDT, Helmut

Session Classification: ACC/IRF/DET

Contribution ID: 26

Type: **not specified**

Head on beam-beam compensation in a RR eN Collider

Wednesday, 2 September 2009 11:00 (20 minutes)

Presenter: MONTAG, Christoph

Session Classification: ACC/IRF/DET

Contribution ID: 27

Type: **not specified**

Electron Emittance & Lattice Design for the e-Ring

Wednesday, 2 September 2009 11:20 (20 minutes)

Presenter: JOWETT, John

Session Classification: ACC/IRF/DET

Contribution ID: 28

Type: **not specified**

e-Ion luminosity

Wednesday, 2 September 2009 11:40 (10 minutes)

Presenter: JOWETT, John

Session Classification: ACC/IRF/DET

Contribution ID: 29

Type: **not specified**

e+ / e- Sources

Wednesday, 2 September 2009 11:50 (20 minutes)

Presenter: RINOLFI, Louis

Session Classification: ACC/IRF/DET

Contribution ID: **30**

Type: **not specified**

Compton Sources

Wednesday, 2 September 2009 12:10 (20 minutes)

Presenter: YAKIMENKO, Vitaly

Session Classification: ACC/IRF/DET

Contribution ID: 31

Type: **not specified**

Recirculating Linacs

Wednesday, 2 September 2009 14:00 (25 minutes)

Presenter: ADOLPHSEN, Chris

Session Classification: ACC

Contribution ID: 32

Type: **not specified**

Energy Recovery Linac Design

Wednesday, 2 September 2009 14:25 (25 minutes)

Presenter: ZIMMERMANN, Frank

Session Classification: ACC

Contribution ID: 33

Type: **not specified**

Recirculating Linac

Wednesday, 2 September 2009 14:50 (25 minutes)

Presenter: LITVINENKO, Vladimir

Session Classification: ACC

Contribution ID: 34

Type: **not specified**

Emittance Growth in Recirculating Linacs

Wednesday, 2 September 2009 15:15 (15 minutes)

Presenter: SUN, Yipeng

Session Classification: ACC

Contribution ID: 35

Type: **not specified**

Discussion on Linac

Wednesday, 2 September 2009 15:30 (30 minutes)

Session Classification: ACC

Contribution ID: 36

Type: **not specified**

Magnet Design for the e-Ring

Wednesday, 2 September 2009 16:30 (20 minutes)

Presenter: MOROZOV, Ivan

Session Classification: ACC/IRF

Contribution ID: 37

Type: **not specified**

RF for the e-Ring

Wednesday, 2 September 2009 16:50 (20 minutes)

Presenter: CIAPALA, Ed

Session Classification: ACC/IRF

Contribution ID: **38**

Type: **not specified**

Luminosity Measurement

Wednesday, 2 September 2009 17:10 (20 minutes)

Presenter: SCHNEEKLOTH, Uwe

Session Classification: ACC/IRF

Contribution ID: 39

Type: **not specified**

SPL as Recirculating Linac for e^+ / e^-

Wednesday, 2 September 2009 17:30 (30 minutes)

Presenter: ESHRAQI, M.

Session Classification: ACC/IRF

Contribution ID: 40

Type: **not specified**

Summary of Previous HPD Meetings

Wednesday, 2 September 2009 09:00 (30 minutes)

Presenter: COLE, Brian

Session Classification: HPD

Contribution ID: 41

Type: **not specified**

Nuclear Parton Distributions

Wednesday, 2 September 2009 09:30 (30 minutes)

Presenter: ESKOLA, Kari

Session Classification: HPD

Contribution ID: 42

Type: **not specified**

Deviations from DGLAP in HERA Data

Wednesday, 2 September 2009 10:00 (30 minutes)

Presenter: CAOLA, Fabrizio

Session Classification: HPD

Contribution ID: 43

Type: **not specified**

Diffraction and Vector Mesons and Pseudo-Data

Wednesday, 2 September 2009 11:00 (20 minutes)

Presenter: NEWMAN, Paul

Session Classification: HPD

Contribution ID: 44

Type: **not specified**

Nuclear Diffraction

Wednesday, 2 September 2009 12:05 (25 minutes)

Presenter: KOWALSKI, Henri

Session Classification: HPD

Contribution ID: 45

Type: **not specified**

Predictions for forward jets

Wednesday, 2 September 2009 11:20 (20 minutes)

Presenter: KUTAK, Krzysztof

Session Classification: HPD

Contribution ID: 46

Type: **not specified**

NNPDF fits of LHeC Pseudodata

Wednesday, 2 September 2009 16:30 (30 minutes)

Presenter: GUFFANTI, Alberto

Session Classification: HPD

Contribution ID: 47

Type: **not specified**

Predictions for Low x inclusive LHeC data

Wednesday, 2 September 2009 17:00 (30 minutes)

Presenter: ALBACETE, Javier

Session Classification: HPD

Contribution ID: 48

Type: **not specified**

Semi-inclusive eA scattering and Final State interactions

Wednesday, 2 September 2009 17:30 (30 minutes)

Presenter: BROOKS, Will

Session Classification: HPD

Contribution ID: 49

Type: **not specified**

Relation between eA and AA at RHIC

Wednesday, 2 September 2009 11:40 (25 minutes)

Presenter: ULLRICH, Thomas

Session Classification: HPD

Contribution ID: 50

Type: **not specified**

Detector Requirements low x

Wednesday, 2 September 2009 14:00 (30 minutes)

Presenter: NEWMAN, Paul

Session Classification: DET/IRF/HPD

Contribution ID: 51

Type: **not specified**

Si Gas Detector for Tracking

Wednesday, 2 September 2009 14:50 (40 minutes)

Presenter: VAN DER GRAAF, Henry

Session Classification: DET/IRF/HPD

Contribution ID: 52

Type: **not specified**

High Energy Calorimeters for ILCLIC

Wednesday, 2 September 2009 15:30 (30 minutes)

Presenter: GREFE, Christian

Session Classification: DET/IRF/HPD

Contribution ID: 53

Type: **not specified**

Simulation of Detector in GEANT4

Wednesday, 2 September 2009 16:30 (15 minutes)

Presenter: KILIC, Adnan

Session Classification: DET

Contribution ID: 54

Type: **not specified**

MagCal Concept

Wednesday, 2 September 2009 14:30 (20 minutes)

Presenter: GREENSHAW, Tim

Session Classification: DET/IRF/HPD

Contribution ID: 55

Type: **not specified**

Discussion of Detector Layout

Wednesday, 2 September 2009 17:15 (45 minutes)

Session Classification: DET

Contribution ID: 56

Type: **not specified**

Scenarios and PseudoData

Wednesday, 2 September 2009 09:00 (15 minutes)

Presenter: KLEIN, Max

Session Classification: QCE/NUP

Contribution ID: 57

Type: **not specified**

Electroweak Fits (tbc)

Wednesday, 2 September 2009 09:15 (15 minutes)

Presenter: GWENLAN, Claire

Session Classification: QCE/NUP

Contribution ID: 58

Type: **not specified**

Electroweak Precision and New Physics

Wednesday, 2 September 2009 09:30 (20 minutes)

Presenter: NANDI, Soumitra

Session Classification: QCE/NUP

Contribution ID: 59

Type: **not specified**

Prospects for Alpha_s

Wednesday, 2 September 2009 09:55 (20 minutes)

Presenter: KLUGE, Thomas

Session Classification: QCE/NUP

Contribution ID: **60**

Type: **not specified**

Pdfs and New Physics in pp (tbc)

Presenter: PEREZ, Emmanuelle

Contribution ID: **61**

Type: **not specified**

SM Higgs with NNPDF

Wednesday, 2 September 2009 11:00 (20 minutes)

Presenter: VICINI, Alessandro

Session Classification: QCE/NUP

Contribution ID: **62**

Type: **not specified**

Higgs in ep

Wednesday, 2 September 2009 11:40 (30 minutes)

Presenter: KUZE, Masahiro

Session Classification: QCE/NUP

Contribution ID: **63**

Type: **not specified**

Higgs in ep

Wednesday, 2 September 2009 11:20 (20 minutes)

Presenter: KLEIN, Uta

Session Classification: QCE/NUP

Contribution ID: 65

Type: **not specified**

Jets in DIS

Wednesday, 2 September 2009 14:00 (20 minutes)

Presenter: BEHR, Joerg

Session Classification: QCE

Contribution ID: **66**

Type: **not specified**

Studies with Sherpa

Wednesday, 2 September 2009 14:40 (30 minutes)

Presenter: HOECHE, Stefan

Session Classification: QCE

Contribution ID: 67

Type: **not specified**

c,b,t at the LHeC

Wednesday, 2 September 2009 15:10 (25 minutes)

Presenter: BEHNKE, Olaf

Session Classification: QCE

Contribution ID: **68**

Type: **not specified**

xg from HQ in Gamma-Proton

Wednesday, 2 September 2009 15:35 (25 minutes)

Presenter: GOHKAN, Unel

Session Classification: QCE

Contribution ID: 69

Type: **not specified**

The 4. SM lepton and quark family at ep/yp colliders

Wednesday, 2 September 2009 14:00 (20 minutes)

Presenter: CIFTCI, A. Kenan

Session Classification: NUP

Contribution ID: 70

Type: **not specified**

Single production of diquarks at γp collider

Wednesday, 2 September 2009 14:20 (20 minutes)

Presenter: CAKIR, Orhan

Session Classification: NUP

Contribution ID: 71

Type: **not specified**

Anomalous Single Top at yp collider

Wednesday, 2 September 2009 14:40 (20 minutes)

Presenter: CAKIR, Ilkay Turk

Session Classification: NUP

Contribution ID: 72

Type: **not specified**

Jets in Photoproduction

Wednesday, 2 September 2009 14:20 (20 minutes)

Presenters: GLASMAN, Claudia; BEHR, Joerg

Session Classification: QCE

Contribution ID: 73

Type: **not specified**

Introduction to Current Detector

Wednesday, 2 September 2009 16:45 (30 minutes)

Presenter: KOSTKA, Peter

Session Classification: DET

Contribution ID: 74

Type: **not specified**

Accelerator

Thursday, 3 September 2009 09:00 (30 minutes)

Presenter: BRUENING, Oliver

Session Classification: Reports from Working Groups

Contribution ID: 75

Type: **not specified**

Interaction region

Thursday, 3 September 2009 09:30 (30 minutes)

Presenter: SCHNEEKLOTH, Uwe

Session Classification: Reports from Working Groups

Contribution ID: 76

Type: **not specified**

Detector

Thursday, 3 September 2009 10:00 (30 minutes)

Presenter: WALLNY, Rainer

Session Classification: Reports from Working Groups

Contribution ID: 77

Type: **not specified**

New Physics

Thursday, 3 September 2009 11:00 (30 minutes)

Presenter: PEREZ, Emmanuelle

Session Classification: Reports from Working Groups

Contribution ID: 78

Type: **not specified**

QCD and Electroweak

Thursday, 3 September 2009 11:30 (30 minutes)

Presenter: BEHNKE, Olaf

Session Classification: Reports from Working Groups

Contribution ID: 79

Type: **not specified**

High Parton Densities

Thursday, 3 September 2009 12:00 (20 minutes)

Presenter: NEWMAN, Paul

Session Classification: Reports from Working Groups

Contribution ID: **80**

Type: **not specified**

Hbb at LHeC

Wednesday, 2 September 2009 12:10 (20 minutes)

Presenter: MELLADO, Bruce

Session Classification: QCE/NUP

Contribution ID: **81**

Type: **not specified**

Theoretical systematics

Wednesday, 2 September 2009 09:50 (5 minutes)

Presenter: GAMBINO, Paolo (Turin U and INFN)

Session Classification: QCE/NUP