

HERA - LHC workshop Final Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Multi-jet topologies and multi-scale QCD (Common session with WG5)

Tuesday, 22 March 2005 14:00 (1h 45m)

Session Classification: WG2: Multi-jet Final States and Energy Flows

Contribution ID: 2

Type: **not specified**

General discussion about summaries and proceedings

Tuesday, 22 March 2005 16:15 (1h 30m)

Session Classification: WG2: Multi-jet Final States and Energy Flows

Contribution ID: 3

Type: **not specified**

Parton shower/ME matching (Common session with WG5)

Tuesday, 22 March 2005 11:00 (1h 45m)

Session Classification: WG2: Multi-jet Final States and Energy Flows

Contribution ID: 4

Type: **not specified**

Small-x evolution (Common session with WG1 and WG4)

Tuesday, 22 March 2005 09:00 (1h 30m)

Session Classification: WG2: Multi-jet Final States and Energy Flows

Contribution ID: 5

Type: **not specified**

Welcome

Wednesday, 23 March 2005 09:00 (10 minutes)

Session Classification: Plenary Session

Contribution ID: 6

Type: **not specified**

LHC - forward physics

Wednesday, 23 March 2005 14:00 (30 minutes)

Author: B. COX (Manchester U.)

Presenter: B. COX (Manchester U.)

Session Classification: Plenary Session

Contribution ID: 7

Type: **not specified**

New methods in QCD

Wednesday, 23 March 2005 14:30 (40 minutes)

Author: N. GLOVER (Durham U.)

Presenter: N. GLOVER (Durham U.)

Session Classification: Plenary Session

Contribution ID: **8**

Type: **not specified**

Working group summaries **WG1**

Wednesday, 23 March 2005 15:40 (1 hour)

Author: S. GLAZOV, S. FORTE, M. DITTMAR

Presenter: S. GLAZOV, S. FORTE, M. DITTMAR

Session Classification: Plenary Session

Contribution ID: 9

Type: **not specified**

Working group summaries WG2

Wednesday, 23 March 2005 16:40 (1 hour)

Author: L. LONNBLAD (Lund)

Presenter: L. LONNBLAD (Lund)

Session Classification: Plenary Session

Contribution ID: **10**

Type: **not specified**

Report from TEV4LHC

Wednesday, 23 March 2005 17:40 (20 minutes)

Author: M. WOBISCH (FNAL)

Presenter: M. WOBISCH (FNAL)

Session Classification: Plenary Session

Contribution ID: **11**

Type: **not specified**

HERA - machine

Wednesday, 23 March 2005 11:10 (30 minutes)

Author: F. WILLEKE (DESY)

Presenter: F. WILLEKE (DESY)

Session Classification: Plenary Session

Contribution ID: 12

Type: **not specified**

HERA - physics

Wednesday, 23 March 2005 11:40 (30 minutes)

Author: F. EISELE (Heidelberg U.)

Presenter: F. EISELE (Heidelberg U.)

Session Classification: Plenary Session

Contribution ID: 13

Type: **not specified**

HERA - future prospects

Wednesday, 23 March 2005 12:10 (30 minutes)

Author: R. YOSHIDA (ANL)

Presenter: R. YOSHIDA (ANL)

Session Classification: Plenary Session

Contribution ID: **14**

Type: **not specified**

LHC - machine status & planning

Wednesday, 23 March 2005 09:10 (30 minutes)

Author: L. EVANS (CERN)

Presenter: L. EVANS (CERN)

Session Classification: Plenary Session

Contribution ID: 15

Type: **not specified**

LHC - physics

Wednesday, 23 March 2005 09:40 (30 minutes)

Author: J. ELLIS (CERN)

Presenter: J. ELLIS (CERN)

Session Classification: Plenary Session

Contribution ID: **16**

Type: **not specified**

LHC - detectors

Wednesday, 23 March 2005 10:10 (30 minutes)

Author: J. VIRDEE (CERN)

Presenter: J. VIRDEE (CERN)

Session Classification: Plenary Session

Contribution ID: 17

Type: **not specified**

Working group summaries WG3 (part1)

Thursday, 24 March 2005 09:00 (20 minutes)

Author: M. CACCIARI

Presenter: M. CACCIARI

Session Classification: Plenary Session

Contribution ID: **18**

Type: **not specified**

Working group summaries WG4 (part1)

Thursday, 24 March 2005 10:30 (30 minutes)

Author: M. DIEHL

Presenter: M. DIEHL

Session Classification: Plenary Session

Contribution ID: 19

Type: **not specified**

Working group summaries WG5

Thursday, 24 March 2005 11:30 (1 hour)

Author: V. LENDERMAN (Heidelberg U.)

Presenter: V. LENDERMAN (Heidelberg U.)

Session Classification: Plenary Session

Contribution ID: **20**

Type: **not specified**

Highlights of the Workshop and Outlook

Thursday, 24 March 2005 12:30 (25 minutes)

Author: A. DE ROECK (CERN)

Presenter: A. DE ROECK (CERN)

Session Classification: Plenary Session

Contribution ID: 21

Type: **not specified**

Working group summaries WG3 (part3)

Thursday, 24 March 2005 09:40 (20 minutes)

Author: A. GEISER

Presenter: A. GEISER

Session Classification: Plenary Session

Contribution ID: 22

Type: **not specified**

Working group summaries WG3 (part2)

Thursday, 24 March 2005 09:20 (20 minutes)

Author: A. DAINES

Presenter: A. DAINES

Session Classification: Plenary Session

Contribution ID: 23

Type: **not specified**

Working group summaries WG4 (part2)

Thursday, 24 March 2005 11:00 (30 minutes)

Author: K. PIOTRZKOWSKI

Presenter: K. PIOTRZKOWSKI

Session Classification: Plenary Session

Contribution ID: 24

Type: **not specified**

Diffractive PDF fits to the ZEUS Mx data

Tuesday, 22 March 2005 12:10 (30 minutes)

Author: M. GROYS

Presenter: M. GROYS

Session Classification: WG4: Diffraction

Contribution ID: 25

Type: **not specified**

Diffractive structure function data and PDF fits

Tuesday, 22 March 2005 11:30 (30 minutes)

Author: P. NEWMAN

Presenter: P. NEWMAN

Session Classification: WG4: Diffraction

Contribution ID: **26**

Type: **not specified**

Discussion

Tuesday, 22 March 2005 12:40 (20 minutes)

Author: ALL

Presenter: ALL

Session Classification: WG4: Diffraction

Contribution ID: 27

Type: **not specified**

Studies of the high-energy photon interactions at the LHC

Tuesday, 22 March 2005 11:00 (20 minutes)

Author: K PIOTRZKOWSKI

Presenter: K PIOTRZKOWSKI

Session Classification: WG4: Diffraction

Contribution ID: **28**

Type: **not specified**

Averaging of ZEUS and H1 pdf data

Monday, 21 March 2005 09:30 (40 minutes)

Author: SASHA GLAZOV

Presenter: SASHA GLAZOV

Session Classification: WG1: Parton Density Functions

Contribution ID: 29

Type: **not specified**

Comparison of ZEUS and H1 pdf data

Monday, 21 March 2005 11:00 (40 minutes)

Author: MANDY COOPER-SARKAR

Presenter: MANDY COOPER-SARKAR

Session Classification: WG1: Parton Density Functions

Contribution ID: **30**

Type: **not specified**

Impact of F_L data

Monday, 21 March 2005 11:50 (40 minutes)

Author: CLAIRE GWENLAN

Presenter: CLAIRE GWENLAN

Session Classification: WG1: Parton Density Functions

Contribution ID: 31

Type: **not specified**

Recent progress on the Alekhin pdfs and comparison to other sets

Monday, 21 March 2005 14:30 (40 minutes)

Author: SERGEY ALEKHIN

Presenter: SERGEY ALEKHIN

Session Classification: WG1: Parton Density Functions

Contribution ID: 32

Type: **not specified**

Recent progress on the MRST pdfs and comparison to other sets

Monday, 21 March 2005 15:20 (40 minutes)

Author: ROBERT THORNE

Presenter: ROBERT THORNE

Session Classification: WG1: Parton Density Functions

Contribution ID: 33

Type: **not specified**

Recent progress on neural pdfs

Monday, 21 March 2005 16:10 (40 minutes)

Author: ANDREA PICCIONE

Presenter: ANDREA PICCIONE

Session Classification: WG1: Parton Density Functions

Contribution ID: 34

Type: **not specified**

Update on scheme-invariant NNLO evolution of pdfs

Monday, 21 March 2005 17:00 (40 minutes)

Author: ALBERTO GUFFANTI

Presenter: ALBERTO GUFFANTI

Session Classification: WG1: Parton Density Functions

Contribution ID: 35

Type: **not specified**

On the determination of the sea quark asymmetry at low x

Monday, 21 March 2005 10:20 (20 minutes)

Author: MAX KLEIN

Presenter: MAX KLEIN

Session Classification: WG1: Parton Density Functions

Contribution ID: 36

Type: **not specified**

Quark asymmetries in the nucleon

Tuesday, 22 March 2005 11:00 (40 minutes)

Author: GUNNAR INGELMAN

Presenter: GUNNAR INGELMAN

Session Classification: WG1: Parton Density Functions

Contribution ID: 37

Type: **not specified**

Impact of large x resummations

Tuesday, 22 March 2005 11:50 (40 minutes)

Author: LORENZO MAGNEA

Presenter: LORENZO MAGNEA

Session Classification: WG1: Parton Density Functions

Contribution ID: **38**

Type: **not specified**

WW/ZZ pair production

Tuesday, 22 March 2005 14:30 (40 minutes)

Author: HASKO STENZEL

Presenter: HASKO STENZEL

Session Classification: WG1: Parton Density Functions

Contribution ID: 39

Type: **not specified**

W/Z cross-sections and their impact on pdfs

Tuesday, 22 March 2005 15:20 (40 minutes)

Author: MANDY COOPER-SARKAR

Presenter: MANDY COOPER-SARKAR

Session Classification: WG1: Parton Density Functions

Contribution ID: **40**

Type: **not specified**

LHC final states: theoretical uncertainties and experimental systematics

Tuesday, 22 March 2005 16:10 (40 minutes)

Author: MICHAEL DITTMAR

Presenter: MICHAEL DITTMAR

Session Classification: WG1: Parton Density Functions

Contribution ID: 41

Type: **not specified**

Small-x evolution (Common session with WG2 and WG4)

Tuesday, 22 March 2005 09:00 (1h 30m)

Session Classification: WG1: Parton Density Functions

Contribution ID: 42

Type: **not specified**

Update on Zb production measurement at LHC

Monday, 21 March 2005 16:25 (20 minutes)

Author: A. TONAZZO

Presenter: A. TONAZZO

Session Classification: WG3: Heavy Quarks

Contribution ID: 43

Type: **not specified**

Measurement of F2cc + F2bb

Monday, 21 March 2005 14:00 (25 minutes)

Author: P. THOMPSON

Presenter: P. THOMPSON

Session Classification: WG3: Heavy Quarks

Contribution ID: 44

Type: **not specified**

Measurement of Beauty Production at HERA

Monday, 21 March 2005 14:25 (20 minutes)

Author: O. BEHNKE

Presenter: O. BEHNKE

Session Classification: WG3: Heavy Quarks

Contribution ID: 45

Type: **not specified**

JETWEB

Monday, 21 March 2005 14:45 (20 minutes)

Author: A. GEISER

Presenter: A. GEISER

Session Classification: WG3: Heavy Quarks

Contribution ID: 46

Type: **not specified**

Production asymmetry of baryons in p-p, e-p and pi-p and string-junction transfer in Quark-Gluon String Model

Monday, 21 March 2005 16:45 (20 minutes)

Author: O. PISKOUNOVA

Presenter: O. PISKOUNOVA

Session Classification: WG3: Heavy Quarks

Contribution ID: 47

Type: **not specified**

Fragmentation Functions

Monday, 21 March 2005 15:05 (25 minutes)

Author: M. CORRADI

Presenter: M. CORRADI

Session Classification: WG3: Heavy Quarks

Contribution ID: **48**

Type: **not specified**

Hadroproduction of Heavy Mesons in a massive VFNS

Monday, 21 March 2005 16:00 (25 minutes)

Author: I. SCHIENBEIN

Presenter: I. SCHIENBEIN

Session Classification: WG3: Heavy Quarks

Contribution ID: **49**

Type: **not specified**

Discussion on write-up

Tuesday, 22 March 2005 10:00 (2h 30m)

Author: EVERYBODY

Presenter: EVERYBODY

Session Classification: WG3: Heavy Quarks

Contribution ID: 50

Type: **not specified**

Outlook at HERA-II Measurements

Tuesday, 22 March 2005 14:00 (30 minutes)

Author: A. GEISER

Presenter: A. GEISER

Session Classification: WG3: Heavy Quarks

Contribution ID: 51

Type: **not specified**

Summary of the Quarkonium Working Group

Tuesday, 22 March 2005 14:30 (25 minutes)

Author: A. MEYER

Presenter: A. MEYER

Session Classification: WG3: Heavy Quarks

Contribution ID: 52

Type: **not specified**

Heavy quark and quarkonium production at LEP2: k_T -factorization versus data

Tuesday, 22 March 2005 14:55 (20 minutes)

Author: N. ZOTOV

Presenter: N. ZOTOV

Session Classification: WG3: Heavy Quarks

Contribution ID: 53

Type: **not specified**

Higgs boson production at Tevatron and LHC in the k_T-factorization approach

Tuesday, 22 March 2005 15:15 (20 minutes)

Author: A.V. LIPATOV

Presenter: A.V. LIPATOV

Session Classification: WG3: Heavy Quarks

Contribution ID: 54

Type: **not specified**

Multiple interactions and underlying events (Common session with WG4)

Monday, 21 March 2005 09:00 (1h 30m)

Session Classification: WG2: Multi-jet Final States and Energy Flows

Contribution ID: 55

Type: **not specified**

Rapidity gaps at HERA and LHC (Common Session with WG4)

Monday, 21 March 2005 14:00 (1h 30m)

Session Classification: WG2: Multi-jet Final States and Energy Flows

Contribution ID: **56**

Type: **not specified**

General discussion about proceedings

Monday, 21 March 2005 16:00 (2 hours)

Session Classification: WG2: Multi-jet Final States and Energy Flows

Contribution ID: 57

Type: **not specified**

Multiple interactions and underlying events (contd.)

Monday, 21 March 2005 11:00 (50 minutes)

Session Classification: WG2: Multi-jet Final States and Energy Flows

Contribution ID: 58

Type: **not specified**

Rapidity gaps at HERA and LHC (Common session with WG4)

Monday, 21 March 2005 11:50 (50 minutes)

Session Classification: WG2: Multi-jet Final States and Energy Flows

Contribution ID: 59

Type: **not specified**

Perspectives for diffractive measurements at H1

Monday, 21 March 2005 16:30 (15 minutes)

Author: M. KAPISHIN

Presenter: M. KAPISHIN

Session Classification: WG4: Diffraction at HERA

Contribution ID: **60**

Type: **not specified**

Perspectives with the VFPS at H1

Monday, 21 March 2005 16:50 (15 minutes)

Author: X. JANSSEN

Presenter: X. JANSSEN

Session Classification: WG4: Diffraction at HERA

Contribution ID: 61

Type: **not specified**

Perspectives for diffractive measurements at ZEUS

Monday, 21 March 2005 17:15 (30 minutes)

Author: A BRUNI

Presenter: A BRUNI

Session Classification: WG4: Diffraction at HERA

Contribution ID: **62**

Type: **not specified**

The CMS/Totem LoI

Tuesday, 22 March 2005 14:00 (20 minutes)

Author: A. DE ROECK

Presenter: A. DE ROECK

Session Classification: WG4: Experimental studies and perspectives

Contribution ID: 63

Type: **not specified**

Conclusions and recommendations of the working group

Tuesday, 22 March 2005 16:30 (1 hour)

Author: ALL

Presenter: ALL

Session Classification: WG4: Experimental studies and perspectives

Contribution ID: 64

Type: **not specified**

Triggering on diffraction at CMS/Totem

Tuesday, 22 March 2005 14:30 (20 minutes)

Author: M. GROTHE

Presenter: M. GROTHE

Session Classification: WG4: Experimental studies and perspectives

Contribution ID: 65

Type: **not specified**

TOTEM forward measurement: leading proton update

Tuesday, 22 March 2005 15:00 (20 minutes)

Author: K OSTERBERG

Presenter: K OSTERBERG

Session Classification: WG4: Experimental studies and perspectives

Contribution ID: 66

Type: **not specified**

Measurement of hard and soft diffraction at the LHC

Tuesday, 22 March 2005 15:30 (30 minutes)

Author: H. KOWALSKI

Presenter: H. KOWALSKI

Session Classification: WG4: Experimental studies and perspectives

Contribution ID: 67

Type: **not specified**

AcerMC

Tuesday, 22 March 2005 16:00 (15 minutes)

Author: ELZBIETA RICHTER-WAS

Presenter: ELZBIETA RICHTER-WAS

Session Classification: WG5: MC-Tools

Contribution ID: **68**

Type: **not specified**

LHAPDF

Tuesday, 22 March 2005 16:15 (15 minutes)

Author: MIKE WHALLEY

Presenter: MIKE WHALLEY

Session Classification: WG5: MC-Tools

Contribution ID: **69**

Type: **not specified**

NLOLIB

Tuesday, 22 March 2005 16:30 (15 minutes)

Author: KLAUS RABBERTZ

Presenter: KLAUS RABBERTZ

Session Classification: WG5: MC-Tools

Contribution ID: **70**

Type: **not specified**

Status of RunMC

Tuesday, 22 March 2005 17:00 (15 minutes)

Author: SERGEI CHEKANOV (ANL)

Presenter: SERGEI CHEKANOV (ANL)

Session Classification: WG5: MC-Tools

Contribution ID: 71

Type: **not specified**

Discussion on Proceedings

Tuesday, 22 March 2005 17:00 (30 minutes)

Author: EVERYBODY

Presenter: EVERYBODY

Session Classification: WG5: MC-Tools