

UK Institute of Physics: Particle Physics 2004

Report of Contributions

Contribution ID: 1

Type: **not specified**

Cosmology in Wonderland: Does dark energy really exist?

Wednesday 7 April 2004 09:45 (45 minutes)

Author: SUBIR SARKAR (Oxford)

Presenter: SUBIR SARKAR (Oxford)

Session Classification: Plenary III

Contribution ID: 2

Type: **not specified**

Selected topics in LHC phenomenology

Wednesday 7 April 2004 09:00 (45 minutes)

Author: JEFF FORSHAW (Manchester)

Presenter: JEFF FORSHAW (Manchester)

Session Classification: Plenary III

Contribution ID: 3

Type: **not specified**

Charge Transfer Inefficiency Simulation for CCD Vertex Detector Studies

Wednesday 7 April 2004 11:00 (15 minutes)

Author: JAMES WALDER (Lancaster)

Presenter: JAMES WALDER (Lancaster)

Session Classification: Parallel VII: Detectors

Contribution ID: 4

Type: **not specified**

Recent results from R&D towards a vertex detector at the future linear collider

Wednesday 7 April 2004 11:15 (15 minutes)

Author: SONJA HILLERT (Oxford)

Presenter: SONJA HILLERT (Oxford)

Session Classification: Parallel VII: Detectors

Contribution ID: 5

Type: **not specified**

BaBar Level-1 Drift Chamber Trigger Upgrade

Wednesday 7 April 2004 11:30 (15 minutes)

Author: MARC KELLY (Bristol)

Presenter: MARC KELLY (Bristol)

Session Classification: Parallel VII: Detectors

Contribution ID: 6

Type: **not specified**

DAQ for ATLAS SCT macro-assembly

Wednesday 7 April 2004 11:45 (15 minutes)

Author: BRUCE GALLOP (Birmingham)

Presenter: BRUCE GALLOP (Birmingham)

Session Classification: Parallel VII: Detectors

Contribution ID: 7

Type: **not specified**

Development of the CMS Silicon Strip Tracker Readout

Wednesday 7 April 2004 12:00 (15 minutes)

Author: MATTHEW NOY (Imperial)

Presenter: MATTHEW NOY (Imperial)

Session Classification: Parallel VII: Detectors

Contribution ID: 8

Type: **not specified**

Navigation Timing Studies of the ATLAS High-Level Trigger

Wednesday 7 April 2004 12:15 (15 minutes)

Author: ANDREW LOWE (RHUL)

Presenter: ANDREW LOWE (RHUL)

Session Classification: Parallel VII: Detectors

Contribution ID: 9

Type: **not specified**

Chair's Report

Wednesday 7 April 2004 13:30 (15 minutes)

Author: ROGER BARLOW (Manchester)

Presenter: ROGER BARLOW (Manchester)

Session Classification: IOP AGM

Contribution ID: **10**

Type: **not specified**

IOP HEPP Group Accounts

Wednesday 7 April 2004 13:45 (5 minutes)

Author: PHIL BURROWS (QMUL)

Presenter: PHIL BURROWS (QMUL)

Session Classification: IOP AGM

Contribution ID: **11**

Type: **not specified**

The Linear Collider: Physics Highlights and Detector Challenges

Wednesday 7 April 2004 14:00 (30 minutes)

Author: ROLF HEUER (DESY)

Presenter: ROLF HEUER (DESY)

Session Classification: Plenary IV

Contribution ID: **12**

Type: **not specified**

What is the GRID?

Wednesday 7 April 2004 14:30 (30 minutes)

Author: TONY DOYLE (Glasgow)

Presenter: TONY DOYLE (Glasgow)

Session Classification: Plenary IV

Contribution ID: **13**

Type: **not specified**

The Neutrino Factory: Motivation and Machine

Wednesday 7 April 2004 15:00 (30 minutes)

Author: KEN LONG (Imperial)

Presenter: KEN LONG (Imperial)

Session Classification: Plenary IV

Contribution ID: 14

Type: **not specified**

High |t| diffractive photoproduction of rho mesons

Tuesday 6 April 2004 11:00 (15 minutes)

Author: CARL GWILLIAM (Manchester)

Presenter: CARL GWILLIAM (Manchester)

Session Classification: Parallel II: QCD

Contribution ID: 15

Type: **not specified**

Heavy Ion Physics at the NA57 CERN Experiment

Tuesday 6 April 2004 11:15 (15 minutes)

Author: STEPHEN BULL (Birmingham)

Presenter: STEPHEN BULL (Birmingham)

Session Classification: Parallel II: QCD

Contribution ID: 16

Type: **not specified**

Lambda-based Perturbation Theory for Event Shapes in e^+e^- Annihilation

Tuesday 6 April 2004 11:30 (15 minutes)

Author: MICHAEL DINSDALE (Durham)

Presenter: MICHAEL DINSDALE (Durham)

Session Classification: Parallel II: QCD

Contribution ID: 17

Type: **not specified**

Infrared Finite Scattering Amplitudes

Tuesday 6 April 2004 11:45 (15 minutes)

Author: DARREN FORDE (Durham)

Presenter: DARREN FORDE (Durham)

Session Classification: Parallel II: QCD

Contribution ID: **18**

Type: **not specified**

Infrared freezing of QCD observables

Tuesday 6 April 2004 12:00 (15 minutes)

Author: PAUL BROOKS (Durham)

Presenter: PAUL BROOKS (Durham)

Session Classification: Parallel II: QCD

Contribution ID: **19**

Type: **not specified**

Multi-Jets at HERA

Tuesday 6 April 2004 12:15 (15 minutes)

Author: TIM NAMSOO (Bristol)

Presenter: TIM NAMSOO (Bristol)

Session Classification: Parallel II: QCD

Contribution ID: 20

Type: **not specified**

A first measurement of the polarised Charged Current cross section from Hera-II

Tuesday 6 April 2004 11:00 (15 minutes)

Author: OLIVER HENSHAW (Birmingham)

Presenter: OLIVER HENSHAW (Birmingham)

Session Classification: Parallel III: Standard Model and Beyond

Contribution ID: 21

Type: **not specified**

Wgamma and Zgamma Production and Extraction of Trilinear Gauge Couplings at CDF in Run 2

Tuesday 6 April 2004 11:15 (15 minutes)

Author: HELEN HAYWARD (Liverpool)

Presenter: HELEN HAYWARD (Liverpool)

Session Classification: Parallel III: Standard Model and Beyond

Contribution ID: 22

Type: **not specified**

Search for the decay $\tau \rightarrow e \gamma$ using the BaBar detector

Tuesday 6 April 2004 11:30 (15 minutes)

Author: ROBERT FLACK (RHUL)

Presenter: ROBERT FLACK (RHUL)

Session Classification: Parallel III: Standard Model and Beyond

Contribution ID: 23

Type: **not specified**

Measurement of the cross section times BR for $p\bar{p} \rightarrow XZ \rightarrow X\mu^+\mu^-$ at $\sqrt{s} = 2$ TeV using the D0 detector

Tuesday 6 April 2004 11:45 (15 minutes)

Author: EMILY NURSE (Manchester)

Presenter: EMILY NURSE (Manchester)

Session Classification: Parallel III: Standard Model and Beyond

Contribution ID: 24

Type: **not specified**

Leptoquark and Lepton Flavour Violation at HERA

Tuesday 6 April 2004 12:00 (15 minutes)

Author: MUDHAHIR ISMAIL (Manchester)

Presenter: MUDHAHIR ISMAIL (Manchester)

Session Classification: Parallel III: Standard Model and Beyond

Contribution ID: 25

Type: **not specified**

Full Simulation of Black Holes at ATLAS

Tuesday 6 April 2004 12:15 (15 minutes)

Author: MATT PALMER (Cambridge)

Presenter: MATT PALMER (Cambridge)

Session Classification: Parallel III: Standard Model and Beyond

Contribution ID: 26

Type: **not specified**

SR2004, Linear Collider

Monday 5 April 2004 13:30 (30 minutes)

Author: IAN HALLIDAY (PPARC)

Presenter: IAN HALLIDAY (PPARC)

Session Classification: Particle Physics Town Meeting

Contribution ID: 27

Type: **not specified**

News from Science Committee

Monday 5 April 2004 14:00 (25 minutes)

including review of the peer review structure

Author: JENNY THOMAS (UCL)

Presenter: JENNY THOMAS (UCL)

Session Classification: Particle Physics Town Meeting

Contribution ID: **28**

Type: **not specified**

PPAP news and 2004 Road Map

Monday 5 April 2004 14:25 (25 minutes)

Author: PHIL ALLPORT (Liverpool)

Presenter: PHIL ALLPORT (Liverpool)

Session Classification: Particle Physics Town Meeting

Contribution ID: 29

Type: **not specified**

PAAP news and 2004 Road Map

Monday 5 April 2004 14:50 (25 minutes)

Author: DAVID WARK (Imperial)

Presenter: DAVID WARK (Imperial)

Session Classification: Particle Physics Town Meeting

Contribution ID: **30**

Type: **not specified**

Funding for industry in the PPARC programme

Monday 5 April 2004 15:30 (30 minutes)

Author: PETER FLETCHER (PPARC)

Presenter: PETER FLETCHER (PPARC)

Session Classification: Particle Physics Town Meeting

Contribution ID: **31**

Type: **not specified**

Alignment of the ATLAS Inner Detector using tracks

Tuesday 6 April 2004 16:00 (15 minutes)

Author: DANIEL HINDSON (Oxford)

Presenter: DANIEL HINDSON (Oxford)

Session Classification: Parallel V: Detectors

Contribution ID: **32**

Type: **not specified**

Optimization of the alignment of the D0 detector

Tuesday 6 April 2004 16:15 (15 minutes)

Author: BRIAN DAVIES (Lancaster)

Presenter: BRIAN DAVIES (Lancaster)

Session Classification: Parallel V: Detectors

Contribution ID: **33**

Type: **not specified**

Photon Detectors for the LHCb RICH System

Tuesday 6 April 2004 16:30 (15 minutes)

Author: LISA ALLEBONE (Imperial)

Presenter: LISA ALLEBONE (Imperial)

Session Classification: Parallel V: Detectors

Contribution ID: 34

Type: **not specified**

Photodetectors for the LHCb RICH

Tuesday 6 April 2004 16:45 (15 minutes)

Author: CHARLOTTE NEWBY (Oxford)

Presenter: CHARLOTTE NEWBY (Oxford)

Session Classification: Parallel V: Detectors

Contribution ID: 35

Type: **not specified**

Behaviour of MaPMTs in Magnetic Fields

Tuesday 6 April 2004 17:00 (15 minutes)

Author: REINHARDT CHAMONAL (Edinburgh)

Presenter: REINHARDT CHAMONAL (Edinburgh)

Session Classification: Parallel V: Detectors

Contribution ID: 36

Type: **not specified**

Resolution studies of the CMS ECAL in the 2003 test beam

Tuesday 6 April 2004 17:15 (15 minutes)

Author: GUY DEWHIRST (Imperial)

Presenter: GUY DEWHIRST (Imperial)

Session Classification: Parallel V: Detectors

Contribution ID: 37

Type: **not specified**

The bb production cross-section at CDF

Tuesday 6 April 2004 16:00 (15 minutes)

Author: ANANT GAJJAR (Liverpool)

Presenter: ANANT GAJJAR (Liverpool)

Session Classification: Parallel VI: Heavy Flavour

Contribution ID: **38**

Type: **not specified**

Charm at the ZEUS experiment at HERA I and HERA II

Tuesday 6 April 2004 16:15 (15 minutes)

Author: JOHN LOIZIDES (UCL)

Presenter: JOHN LOIZIDES (UCL)

Session Classification: Parallel VI: Heavy Flavour

Contribution ID: **39**

Type: **not specified**

The Study of Excited B-mesons at the D0 detector

Tuesday 6 April 2004 16:30 (15 minutes)

Author: MATT DOIDGE (Lancaster)

Presenter: MATT DOIDGE (Lancaster)

Session Classification: Parallel VI: Heavy Flavour

Contribution ID: 40

Type: **not specified**

A Search for the $Z \rightarrow b\bar{b}$ Decay at D0

Tuesday 6 April 2004 16:45 (15 minutes)

Author: AMBER JENKINS (Imperial)

Presenter: AMBER JENKINS (Imperial)

Session Classification: Parallel VI: Heavy Flavour

Contribution ID: 41

Type: **not specified**

Triggering on B events at D0

Tuesday 6 April 2004 17:00 (15 minutes)

Author: CHRIS BARNES (Imperial)

Presenter: CHRIS BARNES (Imperial)

Session Classification: Parallel VI: Heavy Flavour

Contribution ID: 42

Type: **not specified**

Simulation of Replica Optimisation Strategies for Data Grids

Wednesday 7 April 2004 11:00 (15 minutes)

Author: DAVID CAMERON (Glasgow)

Presenter: DAVID CAMERON (Glasgow)

Session Classification: Parallel VIII: GRID and Computing

Contribution ID: 43

Type: **not specified**

Storage Management on the Grid

Wednesday 7 April 2004 11:15 (15 minutes)

Author: ALASDAIR EARL (Edinburgh)

Presenter: ALASDAIR EARL (Edinburgh)

Session Classification: Parallel VIII: GRID and Computing

Contribution ID: 44

Type: **not specified**

Running BaBar Jobs on the Grid using gsub and AliBaBa

Wednesday 7 April 2004 11:30 (15 minutes)

Author: MIKE JONES (Manchester)

Presenter: MIKE JONES (Manchester)

Session Classification: Parallel VIII: GRID and Computing

Contribution ID: 45

Type: **not specified**

A web based submission tool for a Physics Computing Cluster

Wednesday 7 April 2004 11:45 (15 minutes)

Author: DAVID JONES (Liverpool)

Presenter: DAVID JONES (Liverpool)

Session Classification: Parallel VIII: GRID and Computing

Contribution ID: 46

Type: **not specified**

Results from investigations into the CMS physics channels $pp \rightarrow bbH(H \rightarrow \gamma\gamma)$

Wednesday 7 April 2010 11:00 (15 minutes)

Author: DANIEL HOLMES (Bristol)

Presenter: DANIEL HOLMES (Bristol)

Session Classification: Parallel IX: Standard Model and Beyond

Contribution ID: 47

Type: **not specified**

WW production at CDF

Wednesday 7 April 2004 11:15 (15 minutes)

Author: DUSTIN MCGIVERN (UCL)

Presenter: DUSTIN MCGIVERN (UCL)

Session Classification: Parallel IX: Standard Model and Beyond

Contribution ID: 48

Type: **not specified**

WW scattering studies at a Future Linear Collider

Wednesday 7 April 2004 11:30 (15 minutes)

Author: ANDRES OSORIO (Manchester)

Presenter: ANDRES OSORIO (Manchester)

Session Classification: Parallel IX: Standard Model and Beyond

Contribution ID: 49

Type: **not specified**

CKM physics from B- \rightarrow Kpi decays at LHCb

Wednesday 7 April 2004 11:45 (15 minutes)

Author: ANDY BUCKLEY (Cambridge)

Presenter: ANDY BUCKLEY (Cambridge)

Session Classification: Parallel IX: Standard Model and Beyond

Contribution ID: 50

Type: **not specified**

Resonant Leptogenesis

Wednesday 7 April 2004 12:00 (15 minutes)

Author: TOM UNDERWOOD (Manchester)

Presenter: TOM UNDERWOOD (Manchester)

Session Classification: Parallel IX: Standard Model and Beyond

Contribution ID: 51

Type: **not specified**

Search for events with tau-leptons at H1

Wednesday 7 April 2004 12:15 (15 minutes)

Author: CHRISTIAN VEELKEN (Liverpool)

Presenter: CHRISTIAN VEELKEN (Liverpool)

Session Classification: Parallel IX: Standard Model and Beyond

Contribution ID: 52

Type: **not specified**

Physics at the B-factories

Tuesday 6 April 2004 09:00 (30 minutes)

Author: ADRIAN BEVAN (Liverpool)

Presenter: ADRIAN BEVAN (Liverpool)

Session Classification: Plenary I

Contribution ID: 53

Type: **not specified**

Announcements, Registration

Tuesday 6 April 2004 08:50 (10 minutes)

Session Classification: Plenary I

Contribution ID: 54

Type: **not specified**

Recent Lepton-Nucleon Scattering Results from HERA

Tuesday 6 April 2004 09:30 (30 minutes)

Author: PAUL NEWMAN (Birmingham)

Presenter: PAUL NEWMAN (Birmingham)

Session Classification: Plenary I

Contribution ID: 55

Type: **not specified**

Latest results from the Tevatron

Tuesday 6 April 2004 10:00 (30 minutes)

Author: GUENNADI BORISSOV (Lancaster)

Presenter: GUENNADI BORISSOV (Lancaster)

Session Classification: Plenary I

Contribution ID: 56

Type: **not specified**

Inclusive BR($b \rightarrow s\gamma$) with a fully reconstructed B

Tuesday 6 April 2004 11:00 (15 minutes)

Author: CLARE BROWN (RHUL)

Presenter: CLARE BROWN (RHUL)

Session Classification: Parallel I: B physics

Contribution ID: 57

Type: **not specified**

Reconstructing $B_s \rightarrow D_s^\pm K^\pm$ Decays with the LHCb experiment

Tuesday 6 April 2004 11:15 (15 minutes)

Author: JAMES LAWRENCE (Edinburgh)

Presenter: JAMES LAWRENCE (Edinburgh)

Session Classification: Parallel I: B physics

Contribution ID: 58

Type: **not specified**

Dalitz Plot Analyses of B meson decay to three charged tracks at BaBar

Tuesday 6 April 2004 11:45 (15 minutes)

Author: SIAN MORGAN (Birmingham)

Presenter: SIAN MORGAN (Birmingham)

Session Classification: Parallel I: B physics

Contribution ID: 59

Type: **not specified**

Analysis of the decay $B^{+-} \rightarrow K^{+-} \pi^+ \pi^-$ at the BaBar experiment

Tuesday 6 April 2004 11:30 (15 minutes)

Author: TOM LATHAM (Bristol)

Presenter: TOM LATHAM (Bristol)

Session Classification: Parallel I: B physics

Contribution ID: 60

Type: **not specified**

Charmless Branching Fraction Studies of $B^0 \rightarrow K^0 \pi^+ \pi^-$ at BaBar

Tuesday 6 April 2004 12:00 (15 minutes)

Author: KELLY FORD (Birmingham)

Presenter: KELLY FORD (Birmingham)

Session Classification: Parallel I: B physics

Contribution ID: **61**

Type: **not specified**

Analysis of the decay $B^{+-} \rightarrow K^{*+} \pi^0$ at BaBar

Tuesday 6 April 2004 12:15 (15 minutes)

Author: JAMES GAILLARD (Imperial)

Presenter: JAMES GAILLARD (Imperial)

Session Classification: Parallel I: B physics

Contribution ID: **62**

Type: **not specified**

What's nu?

Tuesday 6 April 2004 14:00 (30 minutes)

Author: PAUL HARRISON (Warwick)

Presenter: PAUL HARRISON (Warwick)

Session Classification: Plenary II

Contribution ID: **63**

Type: **not specified**

Heavy-Ion Physics at the LHC with ALICE

Tuesday 6 April 2004 15:00 (30 minutes)

Author: YVES SCHUTZ (CERN)

Presenter: YVES SCHUTZ (CERN)

Session Classification: Plenary II

Contribution ID: 64

Type: **not specified**

The LHC and the Experiments

Tuesday 6 April 2004 14:30 (30 minutes)

Author: ROGER CASHMORE (Oxford)

Presenter: ROGER CASHMORE (Oxford)

Session Classification: Plenary II

Contribution ID: 65

Type: **not specified**

The Nemo-3 experiment and neutrinoless double beta decay

Tuesday 6 April 2004 16:00 (15 minutes)

Author: LEO JENNER (UCL)

Presenter: LEO JENNER (UCL)

Session Classification: Parallel IV: Neutrinos and Dark Matter

Contribution ID: 66

Type: **not specified**

Searching for atmospheric neutrino oscillations at MINOS

Tuesday 6 April 2004 16:15 (15 minutes)

Author: ANDY BLAKE (Cambridge)

Presenter: ANDY BLAKE (Cambridge)

Session Classification: Parallel IV: Neutrinos and Dark Matter

Contribution ID: 67

Type: **not specified**

Acoustic Detection of Ultra-High Energy Neutrinos

Tuesday 6 April 2004 16:30 (15 minutes)

Author: DAVID WATERS (UCL)

Presenter: DAVID WATERS (UCL)

Session Classification: Parallel IV: Neutrinos and Dark Matter

Contribution ID: **68**

Type: **not specified**

Calibration of the MINOS Detectors using Stopping Muons

Tuesday 6 April 2004 16:45 (15 minutes)

Author: JEFF HARTNELL (Oxford)

Presenter: JEFF HARTNELL (Oxford)

Session Classification: Parallel IV: Neutrinos and Dark Matter

Contribution ID: 69

Type: **not specified**

Development of Micromegas Charge Read-Out for a Two Phase Xenon Dark Matter Detector

Tuesday 6 April 2004 17:00 (15 minutes)

Author: ROBERT HOLLINGWORTH (Sheffield)

Presenter: ROBERT HOLLINGWORTH (Sheffield)

Session Classification: Parallel IV: Neutrinos and Dark Matter

Contribution ID: 70

Type: **not specified**

Near & Far detector response comparison with the MINOS calibration detector

Tuesday 6 April 2004 17:15 (15 minutes)

Author: ANATAEL CABRERA (Oxford)

Presenter: ANATAEL CABRERA (Oxford)

Session Classification: Parallel IV: Neutrinos and Dark Matter