

**IoP Joint HEPP and APP
Meeting 2012**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Monday 2 April 2012 16:00 (10 minutes)

Presenter: BEVAN, Adrian (Queen Mary University of London)

Session Classification: Plenary Session

Contribution ID: 1

Type: **not specified**

Latest results from neutrino experiments

Monday 2 April 2012 16:10 (30 minutes)

Presenter: Prof. THOMAS, Jenny (UCL)

Session Classification: Plenary Session

Contribution ID: 2

Type: **not specified**

Neutrinoless Double Beta Decay

Wednesday 4 April 2012 16:30 (30 minutes)

Presenter: Dr PEETERS, Simon (University of Sussex)

Session Classification: Plenary Session

Contribution ID: 3

Type: **not specified**

Flavour and Neutrino Theory

Wednesday 4 April 2012 17:00 (30 minutes)

Presenter: Dr LUHN, Christoph (Durham University)

Session Classification: Plenary Session

Contribution ID: 4

Type: **not specified**

Early Cosmic Rays

Monday 2 April 2012 17:40 (20 minutes)

A recording of this presentation can be found at the following link.

<http://ess.q-review.qmul.ac.uk:8080/ess/echo/presentation/9af0fd0b-6469-40c3-ba78-dc4ee5a345f1>
(**Flash Player Required**)

<http://ess.q-review.qmul.ac.uk:8080/ess/echo/presentation/9af0fd0b-6469-40c3-ba78-dc4ee5a345f1/media.m4v>

Presenter: Prof. PERKINS, Don (University of Oxford)

Session Classification: Plenary Session

Contribution ID: 5

Type: **not specified**

Standard Model Results from CMS & ATLAS

Tuesday 3 April 2012 08:30 (30 minutes)

Presenter: HAYS, Jonathan (Imperial College Sci., Tech. & Med. (GB))

Session Classification: Plenary Session

Contribution ID: 6

Type: **not specified**

Beyond the Standard Model results from CMS & ATLAS

Tuesday 3 April 2012 09:00 (30 minutes)

Presenter: LESTER, Christopher Gorham (University of Cambridge (GB))

Session Classification: Plenary Session

Contribution ID: 7

Type: **not specified**

Collider Phenomenology

Tuesday 3 April 2012 09:30 (30 minutes)

Presenter: Dr RICHARDSON, Peter (Durham University)

Session Classification: Plenary Session

Contribution ID: 8

Type: **not specified**

Accelerators for the Intensity and Energy Frontier

Tuesday 3 April 2012 10:00 (30 minutes)

Presenter: Dr ROGERS, Chris (STFC)

Session Classification: Plenary Session

Contribution ID: 9

Type: **not specified**

CTA (Cherenkov Telescope Array)

Tuesday 3 April 2012 11:00 (30 minutes)

Presenter: Prof. GREENSHAW, Timothy John (University of Liverpool (GB))

Session Classification: Plenary Session

Contribution ID: **10**

Type: **not specified**

Gravitational Waves

Tuesday 3 April 2012 11:30 (30 minutes)

Presenter: Dr EDWARD, Daw (University of Sheffield)

Session Classification: Plenary Session

Contribution ID: **11**

Type: **not specified**

Hadronic Interactions Beyond the LHC

Tuesday 3 April 2012 12:00 (30 minutes)

Presenter: Dr KNAPP, Johannes (University of Leeds)

Session Classification: Plenary Session

Contribution ID: 12

Type: **not specified**

Dark Matter Experiments

Wednesday 4 April 2012 08:30 (30 minutes)

Presenter: MONROE, Jocelyn (MIT)

Session Classification: Plenary Session

Contribution ID: 13

Type: **not specified**

BSM Particle and AstroParticle Theory

Wednesday 4 April 2012 09:30 (30 minutes)

Presenter: WEST, Stephen (Royal Holloway, University of London)

Session Classification: Plenary Session

Contribution ID: 14

Type: **not specified**

Nuclear Astrophysics

Wednesday 4 April 2012 10:00 (30 minutes)

Presenter: DIGET, Christian (Institute of Physics and Astronomy)

Session Classification: Plenary Session

Contribution ID: 15

Type: **not specified**

Latest Results from the Tevatron

Wednesday 4 April 2012 11:00 (30 minutes)

Presenter: SCHWANENBERGER, Christian (University of Manchester (GB))

Session Classification: Plenary Session

Contribution ID: 16

Type: **not specified**

LHCb and B Factories

Wednesday 4 April 2012 11:30 (30 minutes)

Presenter: BROOK, Nicholas (BRISTOL)

Session Classification: Plenary Session

Contribution ID: 17

Type: **not specified**

Intensity Frontier Experiments

Wednesday 4 April 2012 12:00 (30 minutes)

Presenters: LANCASTER, Mark (UCL); LANCASTER, Mark (University College London (UK))

Session Classification: Plenary Session

Contribution ID: **18**

Type: **not specified**

The Fermi Large Area gamma ray Telescope and the current searches for dark matter in space

Wednesday 4 April 2012 09:00 (30 minutes)

Presenter: MORSELLI, Aldo (INFN)

Session Classification: Plenary Session

Contribution ID: **19**

Type: **not specified**

The INFN perspective on HEP and APP

Monday 2 April 2012 16:40 (45 minutes)

Presenter: FERRONI, Fernando (Dipartim.di Fisica G.Marconi Romel)

Session Classification: Plenary Session

Contribution ID: 20

Type: **not specified**

Chief Executive Address

Monday 2 April 2012 13:00 (30 minutes)

Presenter: WOMERSLEY, John William (STFC - Science & Technology Facilities Council (GB))

Session Classification: STFC Town Meeting

Contribution ID: 21

Type: **not specified**

Science Board

Monday 2 April 2012 13:30 (30 minutes)

Presenter: Dr ROWAN, Sheila (University of Glasgow)

Session Classification: STFC Town Meeting

Contribution ID: 22

Type: **not specified**

PPAP

Monday 2 April 2012 14:00 (30 minutes)

Presenter: Prof. BURROWS, Philip (University of Oxford)

Session Classification: STFC Town Meeting

Contribution ID: 23

Type: **not specified**

European Strategy for Particle Physics

Monday 2 April 2012 14:30 (30 minutes)

Presenter: BUTTERWORTH, Jonathan (University College London (UK))

Session Classification: STFC Town Meeting

Contribution ID: 24

Type: **not specified**

Discussion

Monday 2 April 2012 15:00 (30 minutes)

Session Classification: STFC Town Meeting

Contribution ID: 25

Type: **not specified**

Top quark charge asymmetry in dilepton final states

Tuesday 3 April 2012 14:00 (15 minutes)

Primary author: HEAD, Tim (The University of Manchester)

Presenter: HEAD, Tim (The University of Manchester)

Session Classification: Track 1

Contribution ID: 26

Type: **not specified**

$t\bar{t}$ cross section measurement in μ +jets channel with CMS

Tuesday 3 April 2012 14:15 (15 minutes)

Primary author: SYMONDS, Philip Hugh (Brunel University (GB))

Presenter: SYMONDS, Philip Hugh (Brunel University (GB))

Session Classification: Track 1

Contribution ID: 27

Type: **not specified**

ttbar Spin Correlations at ATLAS

Tuesday 3 April 2012 15:00 (15 minutes)

Primary author: MCLAUGHLAN, Thomas (University of Birmingham (GB))

Presenter: MCLAUGHLAN, Thomas (University of Birmingham (GB))

Session Classification: Track 1

Contribution ID: 28

Type: **not specified**

Top cross section ratios

Primary authors: PALMER, Jody (University of Birmingham (GB)); PALMER, Jody (University of Birmingham)

Presenters: PALMER, Jody (University of Birmingham (GB)); PALMER, Jody (University of Birmingham)

Contribution ID: 29

Type: **not specified**

Spin Correlations in $t\bar{t}$ events at ATLAS

Tuesday 3 April 2012 14:30 (15 minutes)

Primary author: HOWARTH, James William (University of Manchester (GB))

Presenter: HOWARTH, James William (University of Manchester (GB))

Session Classification: Track 1

Contribution ID: 30

Type: **not specified**

A Search for Resonances in Semileptonic Top Pair Production

Tuesday 3 April 2012 14:45 (15 minutes)

Primary author: Mr KRECZKO, Lukasz (University of Bristol (GB))

Presenter: Mr KRECZKO, Lukasz (University of Bristol (GB))

Session Classification: Track 1

Contribution ID: 31

Type: **not specified**

Search for single top tW associated production in the dilepton decay channel at CMS

Tuesday 3 April 2012 15:15 (15 minutes)

Primary author: MARTIN, William Patrick (Brunel University (GB))

Presenter: MARTIN, William Patrick (Brunel University (GB))

Session Classification: Track 1

Contribution ID: 32

Type: **not specified**

Estimating top backgrounds to di-leptonic Supersymmetry searches with ATLAS

Primary author: BROOKS, Timothy (University of London (GB))

Presenter: BROOKS, Timothy (University of London (GB))

Contribution ID: 33

Type: **not specified**

Analysis of the Inclusive $\nu\mu$ to $\mu^- \pi^+ \pi^0$ Cross-section in the T2K Near Detector

Tuesday 3 April 2012 14:45 (15 minutes)

Primary author: BENTHAM, Steven (University of Lancaster)

Presenter: BENTHAM, Steven

Session Classification: Track 2

Contribution ID: 34

Type: **not specified**

Working towards a measurement of the neutrino interaction cross section on lead at the T2K ND280 detector

Tuesday 3 April 2012 14:15 (15 minutes)

Primary author: SCOTT, Mark (Imperial College, London)

Presenter: SCOTT, Mark (Imperial College, London)

Session Classification: Track 2

Contribution ID: 35

Type: **not specified**

Pi0 cross section measurement at T2K

Tuesday 3 April 2012 15:00 (15 minutes)

Primary author: POPLAWSKA, Elzbieta (QMUL)

Presenter: POPLAWSKA, Elzbieta (QMUL)

Session Classification: Track 2

Contribution ID: 36

Type: **not specified**

Neutral Current Pi0 Interactions in the T2K Near Detector

Tuesday 3 April 2012 14:00 (15 minutes)

Primary author: SHORT, Samantha (Imperial College London)

Presenter: SHORT, Samantha (Imperial College London)

Session Classification: Track 2

Contribution ID: 37

Type: **not specified**

3-flavour neutrino oscillations

Tuesday 3 April 2012 15:15 (15 minutes)

Primary author: GRANT, Nick (University of Lancaster)

Presenter: GRANT, Nick

Session Classification: Track 2

Contribution ID: **38**

Type: **not specified**

Pileup background rejection for SNO+

Tuesday 3 April 2012 15:30 (15 minutes)

Primary author: JONES, Phil (SNO+)

Presenter: JONES, Phil (SNO+)

Session Classification: Track 2

Contribution ID: 39

Type: **not specified**

Calibration of the SNO+ detector

Tuesday 3 April 2012 15:45 (15 minutes)

Primary author: MOTTRAM, Matthew (University of Sussex)

Presenter: MOTTRAM, Matthew (University of Sussex)

Session Classification: Track 2

Contribution ID: 40

Type: **not specified**

Low-level radon detection in the SuperNEMO detector

Tuesday 3 April 2012 17:00 (15 minutes)

Primary author: MOTT, James (UCL)

Presenter: MOTT, James (UCL)

Session Classification: Track 4

Contribution ID: 41

Type: **not specified**

Underground Muon Detection

Tuesday 3 April 2012 15:30 (15 minutes)

Primary author: TELFER, Sam (T)

Presenter: TELFER, Sam (T)

Session Classification: Track 3

Contribution ID: 42

Type: **not specified**

The use of cosmic ray muons in Detecting Illicit Nuclear Material

Primary author: BLACKWELL, Tim (University of Sheffield)

Presenter: BLACKWELL, Tim (University of Sheffield)

Contribution ID: 43

Type: **not specified**

The EDELWEISS dark matter search: latest results and future plans

Tuesday 3 April 2012 14:00 (15 minutes)

Primary author: HENRY, Sam (University of Oxford)

Presenter: HENRY, Sam (University of Oxford)

Session Classification: Track 3

Contribution ID: 44

Type: **not specified**

Searching for eV-scale neutrinos with muon storage rings

Tuesday 3 April 2012 14:15 (15 minutes)

Primary author: TUNNELL, Christopher

Presenter: TUNNELL, Christopher

Session Classification: Track 3

Contribution ID: 45

Type: **not specified**

Searching for correlation of the highest energy cosmic rays with nearby large scale structure

Tuesday 3 April 2012 14:30 (15 minutes)

Primary author: OIKONOMOU, foteini (University College London)

Presenter: OIKONOMOU, foteini (University College London)

Session Classification: Track 3

Contribution ID: 46

Type: **not specified**

A terrestrial search for dark contents of the vacuum and dark energy, using atom interferometry.

Tuesday 3 April 2012 14:45 (15 minutes)

Primary author: BURROW, Oliver (University of Liverpool)

Presenter: BURROW, Oliver (University of Liverpool)

Session Classification: Track 3

Contribution ID: 47

Type: **not specified**

A Blueprint for Galaxy Formation through Dark Matter Mapping - Genetic Codes and Algorithms

Tuesday 3 April 2012 15:00 (15 minutes)

Primary author: TRIFOURKI, Sotira

Presenter: TRIFOURKI, Sotira

Session Classification: Track 3

Contribution ID: 48

Type: **not specified**

Use of Gamma Rays to constrain expansion history of Universe

Tuesday 3 April 2012 15:15 (15 minutes)

Primary author: FAIRBAIRN, Malcolm

Presenter: FAIRBAIRN, Malcolm

Session Classification: Track 3

Contribution ID: 49

Type: **not specified**

Searches for CP violation in charm decays at LHCb

Tuesday 3 April 2012 14:00 (15 minutes)

Primary author: GORDON, Hamish (University of Oxford (GB))

Presenter: GORDON, Hamish (University of Oxford (GB))

Session Classification: Track 4

Contribution ID: 50

Type: **not specified**

Measurement of Branching Fractions in the B2KShh Modes at LHCb

Tuesday 3 April 2012 14:15 (15 minutes)

Primary author: DOSSETT, David Alasdair (University of Warwick (GB))

Presenter: DOSSETT, David Alasdair (University of Warwick (GB))

Session Classification: Track 4

Contribution ID: 51

Type: **not specified**

Results from Flavour Tagging using a neural network algorithm in LHCb Data

Tuesday 3 April 2012 14:30 (15 minutes)

Primary author: WILLIAMS, Matt (University of Warwick (GB))

Presenter: WILLIAMS, Matt (University of Warwick (GB))

Session Classification: Track 4

Contribution ID: 52

Type: **not specified**

D mixing at LHCb

Tuesday 3 April 2012 14:45 (15 minutes)

Primary author: HAMPSON, Thomas Rex (University of Bristol (GB))

Presenter: HAMPSON, Thomas Rex (University of Bristol (GB))

Session Classification: Track 4

Contribution ID: 53

Type: **not specified**

The Time-Dependent CP Violation in Charm

Tuesday 3 April 2012 15:00 (15 minutes)

Primary author: INGUGLIA, Gianluca (Queen Mary University of London)

Presenter: INGUGLIA, Gianluca (Queen Mary University of London)

Session Classification: Track 4

Contribution ID: 54

Type: **not specified**

Charm Production in DIS from Inclusive Secondary Vertices at HERA

Tuesday 3 April 2012 15:15 (15 minutes)

Primary author: MUJKIC, Kenan (U)

Presenter: MUJKIC, Kenan (U)

Session Classification: Track 4

Contribution ID: 55

Type: **not specified**

Unfolding of charged track multiplicities at LHCb

Tuesday 3 April 2012 15:30 (15 minutes)

Primary author: VOONG, David (H. H. Wills Physics Laboratory)

Presenter: VOONG, David (H. H. Wills Physics Laboratory)

Session Classification: Track 4

Contribution ID: 56

Type: **not specified**

Central Exclusive Production at LHCb

Tuesday 3 April 2012 15:45 (15 minutes)

Primary author: BJOERNSTAD, Paal Marius (University of Manchester)

Presenter: BJOERNSTAD, Paal Marius (University of Manchester)

Session Classification: Track 4

Contribution ID: 57

Type: **not specified**

Hybridized Pixel Sensors for High Luminosity LHC

Tuesday 3 April 2012 16:30 (15 minutes)

Primary author: FORSHAW, Dean Charles (University of Liverpool (GB))

Presenter: FORSHAW, Dean Charles (University of Liverpool (GB))

Session Classification: Track 1

Contribution ID: 58

Type: **not specified**

The CMS Binary Chip - overview and results

Tuesday 3 April 2012 16:45 (15 minutes)

Primary author: FERGUSON, William (Imperial College Sci., Tech. & Med. (GB))

Presenter: FERGUSON, William (Imperial College Sci., Tech. & Med. (GB))

Session Classification: Track 1

Contribution ID: 59

Type: **not specified**

Characterization and Test Beam Analysis of 3D Silicon Sensors for the ATLAS Upgrade

Tuesday 3 April 2012 17:00 (15 minutes)

Primary author: NELLIST, Clara (University of Manchester (GB))

Presenter: NELLIST, Clara (University of Manchester (GB))

Session Classification: Track 1

Contribution ID: **60**

Type: **not specified**

Digital Calorimetry at future linear colliders

Tuesday 3 April 2012 17:15 (15 minutes)

Primary author: PRICE, Tony (University of Birmingham (GB))

Presenter: PRICE, Tony (University of Birmingham (GB))

Session Classification: Track 1

Contribution ID: **61**

Type: **not specified**

Delta-Rays in ATLAS silicon

Tuesday 3 April 2012 17:30 (15 minutes)

Primary author: MUELLER, Thibaut (University of Cambridge)

Presenter: MUELLER, Thibaut (University of Cambridge)

Session Classification: Track 1

Contribution ID: 62

Type: **not specified**

Study of the $K^+ \rightarrow e^+ \nu \gamma$ (SD+) decay in the NA62 experiment at CERN

Tuesday 3 April 2012 16:30 (15 minutes)

Primary author: ROMANO, Angela (University of Birmingham (GB))

Presenter: ROMANO, Angela (University of Birmingham (GB))

Session Classification: Track 2

Contribution ID: 63

Type: **not specified**

Kaon experiments at CERN

Tuesday 3 April 2012 16:45 (15 minutes)

Presenter: GOUDZOVSKI, Evgueni (University of Birmingham)

Session Classification: Track 2

Contribution ID: 64

Type: **not specified**

Measurement of differential branching fraction and angular analysis of the rare decay $B_{+-} \rightarrow K\mu\mu$ from LHCb data

Tuesday 3 April 2012 17:00 (15 minutes)

Presenter: BOWEN, Espen Eie (STFC - Science & Technology Facilities Council (GB))

Session Classification: Track 2

Contribution ID: 65

Type: **not specified**

Analyses of $B^- \rightarrow \pi^- [\mu^+ \mu^-]_{(\psi)}$ decays

Tuesday 3 April 2012 17:15 (15 minutes)

Primary author: REDFORD, Sophie (University of Oxford)

Presenter: REDFORD, Sophie (University of Oxford)

Session Classification: Track 2

Contribution ID: 66

Type: **not specified**

Semileptonic charge asymmetry in the $B^0_{\{d\}}$ system, $a^{\{d\}}_{\{sl\}}$

Tuesday 3 April 2012 17:30 (15 minutes)

Presenter: ROSS, Anthony (L)

Session Classification: Track 2

Contribution ID: 67

Type: **not specified**

Asl at LHCb using time integrated semileptonic B decays

Tuesday 3 April 2012 17:45 (15 minutes)

Primary author: WEBBER, Adam Dane (School of Physics and Astronomy Schuster Laboratory)

Presenter: WEBBER, Adam Dane (School of Physics and Astronomy Schuster Laboratory)

Session Classification: Track 2

Contribution ID: 68

Type: **not specified**

Fitting External Data Sets and Extracting Model Parameters with Neutrino Interaction Monte Carlo

Presenter: TERRI, Ryan (Queen Mary, Univeristy of London)

Contribution ID: **69**

Type: **not specified**

Search for Heavy Neutrinos at ATLAS

Presenter: ALMOND, John Leslie (University of Manchester (GB))

Contribution ID: 70

Type: **not specified**

Forward transverse energy measurements with ATLAS

Tuesday 3 April 2012 16:45 (15 minutes)

Primary author: WIJERATNE, Peter Alexander (University College London (UK))

Presenter: WIJERATNE, Peter Alexander (University College London (UK))

Session Classification: Track 3

Contribution ID: 71

Type: **not specified**

A "Grand" Delta(96) Flavour Symmetry and a Large Prediction for the Reactor Neutrino Mixing Angle

Tuesday 3 April 2012 16:30 (15 minutes)

Presenter: STUART, Alexander

Session Classification: Track 4

Contribution ID: 72

Type: **not specified**

Early measurements of muon flux at the MuSIC beamline

Tuesday 3 April 2012 16:45 (15 minutes)

Presenter: COOK, Sam

Session Classification: Track 4

Contribution ID: 73

Type: **not specified**

Using rapidity gaps to study soft diffractive interactions in the ATLAS detector.

Tuesday 3 April 2012 17:00 (15 minutes)

Presenter: Mr MARTIN, Tim (University of Birmingham (GB))

Session Classification: Track 3

Contribution ID: 74

Type: **not specified**

Fitting External Data Sets and Extracting Model Parameters with Neutrino Interaction Monte Carlo

Tuesday 3 April 2012 17:15 (15 minutes)

Primary author: TERRI, Ryan (Queen Mary, Univeristy of London)

Presenter: TERRI, Ryan (Queen Mary, Univeristy of London)

Session Classification: Track 4

Contribution ID: 75

Type: **not specified**

CP Violation on Bs mixing: measuring ϕ_{13}

Wednesday 4 April 2012 14:00 (15 minutes)

Presenter: CURRIE, Robert Andrew (University of Edinburgh (GB))

Session Classification: Track 1

Contribution ID: 76

Type: **not specified**

Observation of CP violation in $B^{\pm} \rightarrow D K^{\pm}$ decays

Wednesday 4 April 2012 14:15 (15 minutes)

Primary author: GANDINI, Paolo (Particle Physics)

Presenter: GANDINI, Paolo (Particle Physics)

Session Classification: Track 1

Contribution ID: 77

Type: **not specified**

Measurement of the CP violating phase γ using $B \rightarrow D^0(-) \rightarrow K^* h$ decays at LHCb

Wednesday 4 April 2012 14:30 (15 minutes)

Primary author: JOHNSON, Daniel (University of Oxford)

Presenter: JOHNSON, Daniel (University of Oxford)

Session Classification: Track 1

Contribution ID: 78

Type: **not specified**

The angular analysis of $B_d \rightarrow K^* \mu \mu$ at LHCb

Wednesday 4 April 2012 14:45 (15 minutes)

Primary author: SHIRES, Alexander (Imperial College Sci., Tech. & Med. (GB))

Presenter: SHIRES, Alexander (Imperial College Sci., Tech. & Med. (GB))

Session Classification: Track 1

Contribution ID: 79

Type: **not specified**

SUSY with Higher Luminosity

Wednesday 4 April 2012 14:15 (15 minutes)

Primary author: MAHMOUD, Sara (University of Liverpool)

Presenter: MAHMOUD, Sara (University of Liverpool)

Session Classification: Track 2

Contribution ID: **80**

Type: **not specified**

Searching for SUSY with the AlphaT kinematic variable at CMS

Wednesday 4 April 2012 14:30 (15 minutes)

Primary author: Mr MATHIAS, Bryn (Imperial College Sci., Tech. & Med.)

Presenter: Mr MATHIAS, Bryn (Imperial College Sci., Tech. & Med.)

Session Classification: Track 2

Contribution ID: **81**

Type: **not specified**

Searching for SUSY with taus at ATLAS

Wednesday 4 April 2012 15:00 (15 minutes)

Primary author: ROSE, Anthony Kevin (University of Sussex)

Presenter: ROSE, Anthony Kevin (University of Sussex)

Session Classification: Track 2

Contribution ID: **82**

Type: **not specified**

Searches for stop pair production at ATLAS

Wednesday 4 April 2012 14:45 (15 minutes)

Primary author: MCFAYDEN, Josh (Department of Physics and Astronomy)

Presenter: MCFAYDEN, Josh (Department of Physics and Astronomy)

Session Classification: Track 2

Contribution ID: **83**

Type: **not specified**

Search for SuperSymmetry with Heavy Flavour Jets at ATLAS

Wednesday 4 April 2012 14:00 (15 minutes)

Primary author: TUA, Alan (Department of Physics and Astronomy)

Presenter: TUA, Alan (Department of Physics and Astronomy)

Session Classification: Track 2

Contribution ID: **84**

Type: **not specified**

Search for New Phenomena in Events with High Jet Multiplicity and MET

Wednesday 4 April 2012 15:15 (15 minutes)

Primary author: YOUNG, Christopher (Particle Physics)

Presenter: YOUNG, Christopher (Particle Physics)

Session Classification: Track 2

Contribution ID: 85

Type: **not specified**

Jet studies and Parton Distribution Functions

Wednesday 4 April 2012 15:30 (15 minutes)

Primary author: WATT, Benjamin (U)

Presenter: WATT, Benjamin (U)

Session Classification: Track 2

Contribution ID: 86

Type: **not specified**

Search for the Standard Model Higgs Boson in the two photon decay mode

Wednesday 4 April 2012 14:00 (15 minutes)

Primary author: WARDLE, Nicholas (Imperial College Sci., Tech. & Med.)

Presenter: WARDLE, Nicholas (Imperial College Sci., Tech. & Med.)

Session Classification: Track 3

Contribution ID: 87

Type: **not specified**

Optimisation of VBF tagging for Higgs ->gamgam

Wednesday 4 April 2012 14:15 (15 minutes)

Primary author: CANTRILL, Robert (University of London (GB))

Presenter: CANTRILL, Robert (University of London (GB))

Session Classification: Track 3

Contribution ID: **88**

Type: **not specified**

b-bbar dijet measurement at the ATLAS Detector

Wednesday 4 April 2012 14:30 (15 minutes)

Primary author: BIENIEK, Stephen Paul (University College London)

Presenter: BIENIEK, Stephen Paul (University College London)

Session Classification: Track 3

Contribution ID: 89

Type: **not specified**

Boosted H->bb analysis

Wednesday 4 April 2012 14:45 (15 minutes)

Presenter: Mr O'BRIEN, Brendan Joseph (University of Edinburgh (GB))

Session Classification: Track 3

Contribution ID: **90**

Type: **not specified**

Search for a Standard Model Higgs Boson in the H->ZZ->llnunu channel with the ATLAS detector

Wednesday 4 April 2012 15:00 (15 minutes)

Primary author: PRICE, Joseph David (Department of Physics)

Presenter: PRICE, Joseph David (Department of Physics)

Session Classification: Track 3

Contribution ID: 91

Type: **not specified**

Measurement of the ZZ production cross section in the four lepton channel at ATLAS

Wednesday 4 April 2012 15:15 (15 minutes)

Presenter: EDWARDS, Nick (University of Glasgow (GB))

Session Classification: Track 3

Contribution ID: 92

Type: **not specified**

Search for the standard model Higgs boson in the tau tau mu+X final state at DZero

Wednesday 4 April 2012 15:30 (15 minutes)

Primary author: SUTER, Louise (University of Manchester)

Presenter: SUTER, Louise (University of Manchester)

Session Classification: Track 3

Contribution ID: 93

Type: **not specified**

Lepton Jets at CMS

Wednesday 4 April 2012 15:45 (15 minutes)

Primary author: RADBURN-SMITH, Benjamin (RAL (GB))

Presenter: RADBURN-SMITH, Benjamin (RAL (GB))

Session Classification: Track 3

Contribution ID: 94

Type: **not specified**

Communicating Our Science

Monday 2 April 2012 17:25 (15 minutes)

A video recording of the talk by Dr Still can be found via the following links:

<http://ess.q-review.qmul.ac.uk:8080/ess/echo/presentation/689a2dee-8b46-4b0d-a15a-d27493e89e25>
([Requires Flash](#))

<http://ess.q-review.qmul.ac.uk:8080/ess/echo/presentation/689a2dee-8b46-4b0d-a15a-d27493e89e25/media.m4v>

Presenter: STILL, Benjamin

Session Classification: Plenary Session

Contribution ID: 95

Type: **not specified**

W mass measurement at ATLAS

Tuesday 3 April 2012 16:30 (15 minutes)

Presenter: DAVIES, Eleanor Lucy - USE THIS ONE (University of Oxford (GB))

Session Classification: Track 3

Contribution ID: 96

Type: **not specified**

W -> mu nu selection at LHCb

Tuesday 3 April 2012 17:15 (15 minutes)

Primary author: DONLEAVY, Stephanie Clare (University of Liverpool (GB))

Presenter: DONLEAVY, Stephanie Clare (University of Liverpool (GB))

Session Classification: Track 3

Contribution ID: 97

Type: **not specified**

Measurement of the Electron Charge Asymmetry in Inclusive W Production in pp Collisions at $\sqrt{s} = 7$ TeV

Tuesday 3 April 2012 17:30 (15 minutes)

Primary author: JARVIS, Martyn David (Imperial College Sci., Tech. & Med. (GB))

Presenter: JARVIS, Martyn David (Imperial College Sci., Tech. & Med. (GB))

Session Classification: Track 3

Contribution ID: 98

Type: **not specified**

A study of $\psi(2S)$ to J/ψ $\Pi \Pi$ in ATLAS

Tuesday 3 April 2012 17:45 (15 minutes)

Presenter: ALLISON, Lee John (Lancaster University (GB))

Session Classification: Track 3

Contribution ID: 99

Type: **not specified**

Rare Beauty and Charm decays at LHCb

Wednesday 4 April 2012 15:00 (15 minutes)

Primary author: PARKINSON, Christopher John (High Energy Phys.Group)

Presenter: PARKINSON, Christopher John (High Energy Phys.Group)

Session Classification: Track 1

Contribution ID: **100**

Type: **not specified**

Parliamentary Office of Science and Technology

Wednesday 4 April 2012 15:45 (15 minutes)

Primary author: REDFORD, Sophie (University of Oxford)

Presenter: REDFORD, Sophie (University of Oxford)

Session Classification: Track 1

Contribution ID: **101**

Type: **not specified**

Neutrino Cross-Section Measurements at T2K

Tuesday 3 April 2012 14:30 (15 minutes)

Presenter: SCULLY, Daniel (U)

Session Classification: Track 2