

NPPD Conference

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome from the Principal and Vice Chancellor

Monday, 4 April 2011 09:15 (15 minutes)

Summary

Session Classification: Division Plenary

Contribution ID: 1

Type: **not specified**

Detectors - enabling more than science?

Monday, 4 April 2011 09:30 (45 minutes)

Summary

Primary author: O'SHEA, Val (Department of Physics and Astronomy)

Presenter: O'SHEA, Val (Department of Physics and Astronomy)

Session Classification: Division Plenary

Contribution ID: 2

Type: **not specified**

Light on dark matter

Monday, 4 April 2011 10:15 (45 minutes)

Summary

Primary author: Prof. SARKAR, Subir (Rudolf Peierls Centre for Theoretical Physics - University of Oxford)

Presenter: Prof. SARKAR, Subir (Rudolf Peierls Centre for Theoretical Physics - University of Oxford)

Session Classification: Division Plenary

Contribution ID: 3

Type: **not specified**

ATLAS: recent results and future prospects

Monday, 4 April 2011 11:30 (30 minutes)

Summary

Primary author: TOVEY, Dan (University of Sheffield)

Presenter: TOVEY, Dan (University of Sheffield)

Session Classification: Group Plenary A

Contribution ID: 4

Type: **not specified**

CMS: the first year of data-taking

Monday, 4 April 2011 12:00 (30 minutes)

Summary

Primary author: SHEPHERD-THEMISTOCLEOUS, Claire (Rutherford Appleton Laboratory, Particle Physics)

Presenter: SHEPHERD-THEMISTOCLEOUS, Claire (Rutherford Appleton Laboratory, Particle Physics)

Session Classification: Group Plenary A

Contribution ID: 5

Type: **not specified**

Frontiers of nuclear physics

Monday, 4 April 2011 11:30 (45 minutes)

Summary

Presenter: NAZAREWICZ, Witold

Session Classification: Group Plenary B

Contribution ID: 6

Type: **not specified**

Topical applications of nucleon knockout reactions

Monday, 4 April 2011 12:15 (30 minutes)

Summary

Presenter: SIMPSON, Edward

Session Classification: Group Plenary B

Contribution ID: 7

Type: **not specified**

What is it that makes light nuclei so interesting?

Monday, 4 April 2011 12:45 (30 minutes)

Summary

Presenter: FREER, Martin

Session Classification: Group Plenary B

Contribution ID: 8

Type: **not specified**

Rare kaon decays

Monday, 4 April 2011 13:30 (30 minutes)

Summary

Presenter: LAZZERONI, Cristina (High Energy Physics Group, University of Birmingham)

Session Classification: Group Plenary A

Contribution ID: 9

Type: **not specified**

Testing Time Reversal: the search for the neutron electric dipole moment

Monday, 4 April 2011 14:00 (30 minutes)

Summary

Presenter: HARRIS, Philip (Particle Physics)

Session Classification: Group Plenary A

Contribution ID: **10**

Type: **not specified**

The Tevatron: recent results and prospects

Monday, 4 April 2011 14:30 (30 minutes)

Summary

Presenter: DAVIES, Gavin (Imperial College)

Session Classification: Group Plenary A

Contribution ID: 11

Type: **not specified**

The Search for Dark Matter

Monday, 4 April 2011 13:30 (30 minutes)

Summary

Presenter: GREEN, Anne

Session Classification: Group Plenary B

Contribution ID: 12

Type: **not specified**

Searching for Wimps Underground: the experimental quest

Monday, 4 April 2011 14:00 (30 minutes)

Summary

Presenter: ARAUJO, Henrique (Unknown)

Session Classification: Group Plenary B

Contribution ID: 13

Type: **not specified**

Probing the Dark Energy and Dark Matter with Euclid

Monday, 4 April 2011 14:30 (30 minutes)

Summary

Presenter: TAYLOR, Andy

Session Classification: Group Plenary B

Contribution ID: 14

Type: **not specified**

MYRRHA: building a high power proton accelerator driven system for nuclear research

Monday, 4 April 2011 16:00 (30 minutes)

Summary

Presenter: SCHUURMANS, Paul

Session Classification: Group Plenary A

Contribution ID: 15

Type: **not specified**

Generalised Parton Distributions: low-energy nucleon structure in pp collisions at LHC

Monday, 4 April 2011 16:30 (30 minutes)

Summary

Presenter: WEISS, Christian (Jefferson Lab)

Session Classification: Group Plenary A

Contribution ID: 16

Type: **not specified**

Planck: post launch mission status and early results

Monday, 4 April 2011 15:30 (45 minutes)

Summary

Presenter: EFSTATHIOU, George

Session Classification: Group Plenary B

Contribution ID: 17

Type: **not specified**

Experimental Gravitation

Monday, 4 April 2011 16:15 (45 minutes)

Summary

Presenter: Dr SPEAKE, Clive (University of Birmingham)

Session Classification: Group Plenary B

Contribution ID: **18**

Type: **not specified**

Direct Detection of Gravitational Waves: status and prospects

Tuesday, 5 April 2011 09:00 (45 minutes)

Summary

Presenter: ALLEN, Bruce

Session Classification: Division Plenary

Contribution ID: 19

Type: **not specified**

Explosive Nuclear Astrophysics

Tuesday, 5 April 2011 09:45 (45 minutes)

Summary

Presenter: Prof. ALIOTTA, Marialuisa (University of Edinburgh)

Session Classification: Division Plenary

Contribution ID: 20

Type: **not specified**

The Equation State of Neutron-rich Matter

Tuesday, 5 April 2011 11:00 (30 minutes)

Summary

Presenter: HOROWITZ, Charles

Session Classification: Group Plenary A

Contribution ID: 21

Type: **not specified**

Nuclear Matter at the Highest Energies - results from ALICE

Tuesday, 5 April 2011 11:30 (30 minutes)

Summary

Presenters: JONES, Peter.G (School of Physics and Astronomy); JONES, Peter.G (School of Physics and Astronomy-University of Birmingham); JONES, Peter.G (School of Physics and Astronomy-University of Birmingham)

Session Classification: Group Plenary A

Contribution ID: 22

Type: **not specified**

Search for Dark Matter and Beyond: studies at the Boulby Deep Underground Science Facility

Tuesday, 5 April 2011 12:00 (30 minutes)

Summary

Presenter: PALING, Sean

Session Classification: Group Plenary A

Contribution ID: 23

Type: **not specified**

Gauge-Gravity Duality and Transport in Strongly Interacting Quantum Systems

Tuesday, 5 April 2011 11:00 (30 minutes)

Summary

Presenter: STARINETS, Andrei (Institute for Advanced Study)

Session Classification: Group Plenary B

Contribution ID: 24

Type: **not specified**

Putting a Spin on Gravitational-wave Models

Tuesday, 5 April 2011 11:30 (30 minutes)

Summary

Presenter: HANNAM, Mark

Session Classification: Group Plenary B

Contribution ID: 25

Type: **not specified**

Gravitational Waves from Neutron Stars and the Nuclear Equation of State

Tuesday, 5 April 2011 12:00 (30 minutes)

Summary

Presenter: JONES, Ian

Session Classification: Group Plenary B

Contribution ID: 26

Type: **not specified**

Asymmetric Nuclear Matter Explored with Relativistic Radioactive Beams at GSI/FAIR

Tuesday, 5 April 2011 13:00 (30 minutes)

Summary

Presenter: CHARTIER, Marielle

Session Classification: Group Plenary B

Contribution ID: 27

Type: **not specified**

Perspectives for Ab-Initio Theory in Mid-Mass Isotopes

Tuesday, 5 April 2011 13:30 (30 minutes)

Summary

Presenter: BARBIERI, Carlo

Session Classification: Group Plenary B

Contribution ID: 28

Type: **not specified**

RISING to NuSTAR

Tuesday, 5 April 2011 14:00 (30 minutes)

Summary

Presenter: REGAN, Patrick

Session Classification: Group Plenary B

Contribution ID: 29

Type: **not specified**

Neutrino Oscillations: current excitement and plans for the future

Tuesday, 5 April 2011 13:30 (30 minutes)

Summary

Presenter: TOURAMANIS DOURAMANIS, Christofas (Department of Physics-Oliver Lodge Laboratory-University of Live)

Session Classification: Group Plenary A

Contribution ID: 30

Type: **not specified**

No-Neutrino Physics: the search for neutrinoless double beta decay

Tuesday, 5 April 2011 14:00 (30 minutes)

Summary

Presenter: WATERS, David (University College London)

Session Classification: Group Plenary A

Contribution ID: 31

Type: **not specified**

Recent Developments in Particle Phenomenology

Tuesday, 5 April 2011 14:30 (30 minutes)

Summary

Presenter: STIRLING, James (Cambridge University)

Session Classification: Group Plenary A

Contribution ID: 32

Type: **not specified**

First Results from the LHCb Experiment

Tuesday, 5 April 2011 15:30 (30 minutes)

Summary

Presenters: Dr PARKES, Chris (Glasgow); PARKES, Chris (University of Glasgow)

Session Classification: Group Plenary A

Contribution ID: 33

Type: **not specified**

LHC Upgrades

Tuesday, 5 April 2011 16:00 (30 minutes)

Summary

Presenter: HALL, Geoff (Imperial College London)

Session Classification: Group Plenary A

Contribution ID: 34

Type: **not specified**

Physical measurements from Maps of Galaxy Positions

Tuesday, 5 April 2011 15:30 (30 minutes)

Summary

Presenter: PERCIVAL, Will (University of Portsmouth)

Session Classification: Group Plenary B

Contribution ID: 35

Type: **not specified**

The Einstein Gravitational Wave Telescope

Tuesday, 5 April 2011 16:00 (30 minutes)

Summary

Presenter: HILD, Stefan

Session Classification: Group Plenary B

Contribution ID: 36

Type: **not specified**

Nuclear Physics since Rutherford

Tuesday, 5 April 2011 16:45 (45 minutes)

Summary

Presenter: AL-KHALILI, Jim

Session Classification: Division Plenary

Contribution ID: 37

Type: **not specified**

Impact of Modern Accelerator Beam Technology Developments

Wednesday, 6 April 2011 09:30 (45 minutes)

Summary

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

Session Classification: Division Plenary

Contribution ID: **38**

Type: **not specified**

Advances in Astronomy

Wednesday, 6 April 2011 10:15 (45 minutes)

Summary

Presenter: WOAN, Graham

Session Classification: Division Plenary

Contribution ID: 39

Type: **not specified**

Light Sources and Future Prospects

Wednesday, 6 April 2011 11:30 (30 minutes)

Summary

Presenter: BARTOLINI, riccardo (Diamond Light Source and John Adams Institute)

Session Classification: Group Plenary A

Contribution ID: 40

Type: **not specified**

New Applications of Particle Accelerators

Wednesday, 6 April 2011 12:00 (30 minutes)

Summary

Presenter: SERYI, Andrei (SLAC)

Session Classification: Group Plenary A

Contribution ID: 41

Type: **not specified**

R&D for Enabling Accelerator Technologies

Wednesday, 6 April 2011 12:30 (30 minutes)

Summary

Presenters: MCINTOSH, Peter (STFC); MCINTOSH, Peter (STFC)

Session Classification: Group Plenary A

Contribution ID: 42

Type: **not specified**

Solar Flare Energetic Particles

Wednesday, 6 April 2011 11:30 (30 minutes)

Summary

Presenter: KONTAR, Eduard

Session Classification: Group Plenary B

Contribution ID: 43

Type: **not specified**

Science and Engineering Challenges of the European Extremely Large Telescope

Wednesday, 6 April 2011 12:00 (30 minutes)

Summary

Presenter: Mr CUNNINGHAM, Colin (UK ATC)

Session Classification: Group Plenary B

Contribution ID: 44

Type: **not specified**

Nuclei and Gamma-rays: from the lab to the stars

Wednesday, 6 April 2011 12:30 (30 minutes)

Summary

Presenter: Dr LAIRD, Alison (University of York)

Session Classification: Group Plenary B

Contribution ID: 45

Type: **not specified**

Particle Physics Theory Overview

Wednesday, 6 April 2011 13:30 (45 minutes)

Summary

Presenter: ELLIS, Jonathan R. (CERN)

Session Classification: Group Plenary A

Contribution ID: 46

Type: **not specified**

Lattice QCD 2011

Wednesday, 6 April 2011 14:15 (30 minutes)

Summary

Presenter: Prof. DAVIES, Christine Davies (University of Glasgow)

Session Classification: Group Plenary A

Contribution ID: 47

Type: **not specified**

Is String Theory Useful?

Wednesday, 6 April 2011 14:45 (30 minutes)

Summary

Presenter: TONG, David (University of Cambridge)

Session Classification: Group Plenary A

Contribution ID: 48

Type: **not specified**

Pseudoscalar Meson Photoproduction

Wednesday, 6 April 2011 13:45 (30 minutes)

Summary

Presenter: MACGREGOR, Douglas

Session Classification: Group Plenary B

Contribution ID: 49

Type: **not specified**

Nucleon Structure Studies through Elastic Electron Scattering

Wednesday, 6 April 2011 14:15 (30 minutes)

Summary

Presenter: DE JAGER, Kees

Session Classification: Group Plenary B

Contribution ID: 50

Type: **not specified**

Generalised Parton Distributions

Wednesday, 6 April 2011 14:45 (30 minutes)

Summary

Presenter: GUIDAL, Michel (CNRS)

Session Classification: Group Plenary B

Contribution ID: 51

Type: **not specified**

Accelerators at the Intensity Frontier

Wednesday, 6 April 2011 16:00 (30 minutes)

Summary

Presenter: PRIOR, Chris (Unknown)

Session Classification: Group Plenary A

Contribution ID: 52

Type: **not specified**

Colliders at the Energy Frontier

Wednesday, 6 April 2011 16:30 (30 minutes)

Summary

Presenter: FOSTER, Brian (Unknown)

Session Classification: Group Plenary A

Contribution ID: 53

Type: **not specified**

Green Functions and Radiation Reaction from a Spacetime Perspective

Wednesday, 6 April 2011 15:30 (30 minutes)

Summary

Presenter: WARDELL, Barry

Session Classification: Group Plenary B

Contribution ID: 54

Type: **not specified**

Theoretical and Experimental Gravity: current and future opportunities

Wednesday, 6 April 2011 16:00 (30 minutes)

Summary

Presenter: Dr HAMMOND, Giles (University of Birmingham)

Session Classification: Group Plenary B

Contribution ID: 55

Type: **not specified**

Astroparticle Physics and Multi-messenger Astronomy

Wednesday, 6 April 2011 16:30 (30 minutes)

Summary

Presenter: WATSON, Alan

Session Classification: Group Plenary B

Contribution ID: 56

Type: **not specified**

B Physics with the D0 Detector: extending the limits

Thursday, 7 April 2011 09:00 (45 minutes)

Summary

Presenters: Dr BORISSOV, Guennadi (Lancaster University); Dr BORISSOV, Guennadi (Lancaster University)

Session Classification: Division Plenary

Contribution ID: 57

Type: **not specified**

Poster Prizes Presentation

Thursday, 7 April 2011 09:45 (15 minutes)

Summary

Session Classification: Division Plenary

Contribution ID: 58

Type: **not specified**

Radiation and Particle Sources based on Laser-Plasma Interactions

Thursday, 7 April 2011 10:00 (45 minutes)

Summary

Presenter: JAROSZYNSKI, Dino

Session Classification: Division Plenary

Contribution ID: 59

Type: **not specified**

SPECT Imaging with Semiconductor Detectors

Thursday, 7 April 2011 11:15 (45 minutes)

Summary

Presenter: Dr BOSTON, Andrew (University of Liverpool)

Session Classification: Division Plenary

Contribution ID: 60

Type: **not specified**

Perspectives of Nuclear Physics in Europe - a forward look

Thursday, 7 April 2011 12:00 (45 minutes)

Summary

Presenter: Prof. ROSNER, Guenther (Glasgow)

Session Classification: Division Plenary

Contribution ID: **61**

Type: **not specified**

The Energy Frontier: results and prospects

Thursday, 7 April 2011 12:45 (45 minutes)

Summary

Presenter: HEUER, Rolf (CERN)

Session Classification: Division Plenary

Contribution ID: **62**

Type: **not specified**

Commissioning of EMMA, a novel FFAG

Thursday, 7 April 2011 11:00 (30 minutes)

Summary

Presenter: SMITH, Susan (STFC)

Session Classification: Particle Accelerators and Beams

Contribution ID: 63

Type: **not specified**

The Future of Neutron Sources

Thursday, 7 April 2011 11:30 (30 minutes)

Summary

Presenter: TAYLOR, Andrew

Session Classification: Particle Accelerators and Beams

Contribution ID: 64

Type: **not specified**

Analysis of $B_d \rightarrow J/\psi K^*$ at LHCb

Monday, 4 April 2011 15:30 (15 minutes)

Summary

Presenter: SPARKES, Ailsa (University of Edinburgh-Unknown-Unknown)

Session Classification: Particle Physics 1

Contribution ID: 65

Type: **not specified**

Early measurements of the decay $B_s \rightarrow J/\psi \phi$ at LHCb

Monday, 4 April 2011 15:45 (15 minutes)

Summary

Presenter: FITZPATRICK, Conor (University of Edinburgh-Unknown-Unknown)

Session Classification: Particle Physics 1

Contribution ID: 66

Type: **not specified**

Measuring the branching fraction ratio between Bs->Psi'Phi and Bs->J/PsiPhi

Monday, 4 April 2011 16:00 (15 minutes)

Summary

Presenters: SCHAACK, Paul Nicholas; SCHAACK, Paul (Imperial College-Unknown-Unknown)

Session Classification: Particle Physics 1

Contribution ID: 67

Type: **not specified**

Delta md and delta ms measurements from LHCb

Monday, 4 April 2011 16:15 (15 minutes)

Summary

Presenter: BIRD, Thomas (University of Southampton)

Session Classification: Particle Physics 1

Contribution ID: 68

Type: **not specified**

The observation of the $D^{*+} \rightarrow D0(K3\pi) \pi^+$ decay and a charm production cross section measurement at LHCb

Monday, 4 April 2011 16:30 (15 minutes)

Summary

Presenter: HUNT, Philip John (Particle Physics-University of Oxford-Unknown)

Session Classification: Particle Physics 1

Contribution ID: 69

Type: **not specified**

The D to K and D to pi semileptonic decay form factors from Lattice QCD

Monday, 4 April 2011 16:45 (15 minutes)

Summary

Presenter: KOPONEN, Jonna

Session Classification: Particle Physics 1

Contribution ID: 70

Type: **not specified**

Model-independent determination of the $(D^0, D^0_{\text{bar}}) \rightarrow K(S,L)K^+K^-$ strong phase difference and its impact on the measurement of the CKM angle γ

Monday, 4 April 2011 17:00 (15 minutes)

Summary

Presenter: THOMAS, Christopher (University of Oxford/RAL)

Session Classification: Particle Physics 1

Contribution ID: 71

Type: **not specified**

B->DK* studies at LHCb

Monday, 4 April 2011 17:15 (15 minutes)

Summary

Presenter: Mr WHITEHEAD, Mark Peter (University of Warwick)

Session Classification: Particle Physics 1

Contribution ID: 72

Type: **not specified**

Search for Supersymmetry with dilepton final state at ATLAS

Monday, 4 April 2011 15:30 (15 minutes)

Summary

Presenter: ALAM, Muhammad Aftab (Royal Holloway College-University of London-Unknown)

Session Classification: Particle Physics 2

Contribution ID: 73

Type: **not specified**

Search for New Physics with Same-Sign Dileptons with the CMS detector at the LHC

Monday, 4 April 2011 15:45 (15 minutes)

Summary

Presenters: GUNERATNE BRYER, A (Imperial College Sci., Tech. & Med.); GUNERATNE BRYER, Arlo (Imperial College London)

Session Classification: Particle Physics 2

Contribution ID: 74

Type: **not specified**

Searching for Supersymmetry in 7TeV pp collisions at CMS with 35pb⁻¹ of data in events with one low-p_T lepton, jets and missing transverse energy

Monday, 4 April 2011 16:00 (15 minutes)

Summary

Presenters: HATHERELL, Z (Imperial College-Unknown-Unknown); HATHERELL, Z (Imperial College-Unknown-Unknown)

Session Classification: Particle Physics 2

Contribution ID: 75

Type: **not specified**

ATLAS Search for Supersymmetry in Events with Jets, one Electron or Muon and Missing Transverse Momentum

Monday, 4 April 2011 16:15 (15 minutes)

Summary

Presenter: SHORT, Daniel (University of Oxford-Unknown-Unknown)

Session Classification: Particle Physics 2

Contribution ID: 76

Type: **not specified**

QCD background to SUSY searches with no leptons at ATLAS

Monday, 4 April 2011 16:30 (15 minutes)

Summary

Presenter: OWEN, Simon (University of Sheffield)

Session Classification: Particle Physics 2

Contribution ID: 77

Type: **not specified**

Data-Driven Estimation of the Invisible Z background to SUSY Searches at the LHC

Monday, 4 April 2011 16:45 (15 minutes)

Summary

Presenter: SANDOVAL, Tanya (University of Cambridge)

Session Classification: Particle Physics 2

Contribution ID: 78

Type: **not specified**

SUSY with b-jets

Monday, 4 April 2011 17:00 (15 minutes)

Summary

Presenter: SELLERS, Graham John (University of Liverpool-Unknown-Unknown)

Session Classification: Particle Physics 2

Contribution ID: 79

Type: **not specified**

The Role of the Messenger Scale in Gauge Mediated SUSY Breaking

Monday, 4 April 2011 17:15 (15 minutes)

Summary

Presenter: WYMANT, Chris

Session Classification: Particle Physics 2

Contribution ID: **80**

Type: **not specified**

The T2K Experiment and θ_{13}

Monday, 4 April 2011 15:30 (15 minutes)

Summary

Presenters: STILL, Benjamin (University of Sheffield); STILL, Benjamin

Session Classification: Particle Physics 3

Contribution ID: **81**

Type: **not specified**

π^0 cross section measurement at the T2K experiment

Monday, 4 April 2011 16:00 (15 minutes)

Summary

Presenter: POPLAWSKA, Elzbieta

Session Classification: Particle Physics 3

Contribution ID: 82

Type: **not specified**

1st Results from the Super-Kamiokande Detector for Muon Neutrino Disappearance at T2K

Monday, 4 April 2011 16:15 (15 minutes)

Summary

Presenter: HYNDMAN, Alex

Session Classification: Particle Physics 3

Contribution ID: 83

Type: **not specified**

Measurement of Muon Neutrino Disappearance at T2K

Monday, 4 April 2011 16:30 (15 minutes)

Summary

Presenter: MASLIAH, Patrick

Session Classification: Particle Physics 3

Contribution ID: 84

Type: **not specified**

T2K and Neutrino Interaction Errors at Super-Kamiokande

Monday, 4 April 2011 16:45 (15 minutes)

Summary

Presenters: TERRI, Ryan (Queen Mary, Univeristy of London); TERRI, Ryan Vincent (Queen Mary University of London-University of London-Unknown)

Session Classification: Particle Physics 3

Contribution ID: 85

Type: **not specified**

Calibration of the T2K Near Detector and study of beam contamination as a background to electron neutrino appearance

Monday, 4 April 2011 17:00 (15 minutes)

Summary

Presenter: IVES, Sarah

Session Classification: Particle Physics 3

Contribution ID: 86

Type: **not specified**

A Study of the Optimal Fiducial Volume of Super-Kamiokande in the T2K experiment

Monday, 4 April 2011 17:15 (15 minutes)

Summary

Presenter: KOGAN, Gil

Session Classification: Particle Physics 3

Contribution ID: 87

Type: **not specified**

Testbeam Performance of the Downstream Electromagnetic Calorimeter Module of the T2K ND280m Detector

Monday, 4 April 2011 15:45 (15 minutes)

Summary

Presenter: WHITEHEAD, Leigh

Session Classification: Particle Physics 3

Contribution ID: **88**

Type: **not specified**

Review of the Inclusive Jet Measurement at ATLAS in the Forward Calorimeter Region

Monday, 4 April 2011 15:30 (15 minutes)

Summary

Presenters: BROWN, Gareth (University of Manchester); BROWN, Gareth (University of Manchester-Unknown-Unknown)

Session Classification: Particle Physics 4

Contribution ID: **89**

Type: **not specified**

Forward jet physics at ATLAS

Monday, 4 April 2011 15:45 (15 minutes)

Summary

Presenter: ROBINSON, James (University College London)

Session Classification: Particle Physics 4

Contribution ID: 90

Type: **not specified**

Measurement of inclusive two-particle angular correlations and cluster properties with the ATLAS Detector

Monday, 4 April 2011 16:00 (15 minutes)

Summary

Presenters: OROPEZA BARRERA, Cristina (Department of Physics and Astronomy-University of Glasgow); OROPEZA BARRERA, Cristina (University of Glasgow)

Session Classification: Particle Physics 4

Contribution ID: 91

Type: **not specified**

Measurement of dijet production with a jet veto using the ATLAS detector

Monday, 4 April 2011 16:15 (15 minutes)

Summary

Presenter: JONES, Graham (University of Manchester)

Session Classification: Particle Physics 4

Contribution ID: 92

Type: **not specified**

Forward-Backward Correlations and Event Shapes as probes of Minimum-Bias Event Properties

Monday, 4 April 2011 16:30 (15 minutes)

Summary

Presenter: WRAIGHT, Kenneth Gibb (Department of Physics and Astronomy-University of Glasgow-Unknown)

Session Classification: Particle Physics 4

Contribution ID: 93

Type: **not specified**

Jet performance and inclusive cross section measurement with the ATLAS detector at the LHC

Monday, 4 April 2011 16:45 (15 minutes)

Summary

Presenter: Ms DOGLIONI, Caterina (University of Oxford)

Session Classification: Particle Physics 4

Contribution ID: 94

Type: **not specified**

Measurement of the $T\bar{T}$ cross-section at the CMS experiment with 36 pb^{-1} of data in the electron+jets channel with b-tagging

Summary

Presenters: CHADWICK, Matthew Alexander (Brunel University); CHADWICK, Matthew Alexander (Brunel); CHADWICK, Matthew (Detector Development Group-Dept. Elec. Engin. & Electronics-Brun)

Contribution ID: 95

Type: **not specified**

Measurement of the top anti-top quark cross section using Soft Muon Tagging

Tuesday, 5 April 2011 12:15 (15 minutes)

Summary

Presenters: ROSE, Matthew (Royal Holloway College-University of London-Unknown); ROSE, Matthew. (Royal Holloway College-University of London)

Session Classification: Particle Physics 4

Contribution ID: 96

Type: **not specified**

Investigating isomers in heavy neutron-rich nuclei populated in relativistic projectile fragmentation of ^{238}U

Monday, 4 April 2011 14:00 (15 minutes)

Summary

Presenter: BOWRY, M

Session Classification: Nuclear Physics 1

Contribution ID: 97

Type: **not specified**

Exploring shape co-existence in light Radon isotopes

Monday, 4 April 2011 14:15 (15 minutes)

Summary

Presenter: SMALLCOMBE, J

Session Classification: Nuclear Physics 1

Contribution ID: **98**

Type: **not specified**

In-beam spectroscopy of ^{253}No

Monday, 4 April 2011 14:30 (15 minutes)

Summary

Presenter: PAPADAKIS, P

Session Classification: Nuclear Physics 1

Contribution ID: 99

Type: **not specified**

Lifetime measurements of proton-unbound states in 109I

Monday, 4 April 2011 14:45 (15 minutes)

Summary

Presenter: PROCTER, Mark

Session Classification: Nuclear Physics 1

Contribution ID: **100**

Type: **not specified**

The evolution of nuclear structure in light osmium isotopes; gamma ray spectroscopy of ^{163}Os and ^{165}Os

Monday, 4 April 2011 15:00 (15 minutes)

Summary

Presenter: DRUMMOND, Mark

Session Classification: Nuclear Physics 1

Contribution ID: **101**

Type: **not specified**

γ - spectroscopic study of key resonances in ^{31}S for the $^{30}\text{P}(p,\gamma)^{31}\text{S}$ reaction in ONe novae

Monday, 4 April 2011 14:00 (15 minutes)

Summary

Presenter: DOHERTY, Daniel

Session Classification: Nuclear Physics 2

Contribution ID: 102

Type: **not specified**

Time-reversed measurement of the $^{18}\text{Ne}(\alpha,p)^{21}\text{Na}$ cross-section relevant to breakout from the Hot-CNO cycle in X-ray bursts

Monday, 4 April 2011 14:15 (15 minutes)

Summary

Presenter: SALTER, Philip

Session Classification: Nuclear Physics 2

Contribution ID: **103**

Type: **not specified**

The first direct measurement of $^{17}\text{O}(\alpha,\gamma)^{21}\text{Ne}$

Monday, 4 April 2011 14:30 (15 minutes)

Summary

Presenter: TAGGART, Matthew

Session Classification: Nuclear Physics 2

Contribution ID: **104**

Type: **not specified**

Resonances in ^{19}Ne with relevance to the astrophysically important $^{18}\text{F}(p,\alpha)^{15}\text{O}$ reaction

Monday, 4 April 2011 14:45 (15 minutes)

Summary

Presenter: MOUNTFORD, David

Session Classification: Nuclear Physics 2

Contribution ID: **105**

Type: **not specified**

Beta – proton emission from Mg, and the breakout from the hot CNO cycles

Monday, 4 April 2011 15:00 (15 minutes)

Summary

Presenter: WALLACE, Jennifer

Session Classification: Nuclear Physics 2

Contribution ID: 106

Type: **not specified**

A new implantation detection system on the Argonne FMA for studies of the structure of nuclei in the region of 100Sn and the astrophysical rp-process

Monday, 4 April 2011 14:15 (15 minutes)

Summary

Presenter: DAVID, Helena

Session Classification: Nuclear Physics 3

Contribution ID: **107**

Type: **not specified**

Performance of an Asymmetric AGATA Detector

Monday, 4 April 2011 14:00 (15 minutes)

Summary

Presenter: UNSWORTH, Carl

Session Classification: Nuclear Physics 3

Contribution ID: **108**

Type: **not specified**

TACTIC and SHARC: Detector Developments at the University of York

Monday, 4 April 2011 14:30 (15 minutes)

Summary

Presenters: FOX, Simon; FOX, Simon.P (University of York)

Session Classification: Nuclear Physics 3

Contribution ID: **109**

Type: **not specified**

Polycrystalline diamond detectors for fast timing applications at FAIR

Monday, 4 April 2011 14:45 (15 minutes)

Summary

Presenter: SCRUTON, Lianne

Session Classification: Nuclear Physics 3

Contribution ID: **110**

Type: **not specified**

DIRC counters for the PANDA experiment at FAIR

Monday, 4 April 2011 15:00 (15 minutes)

Summary

Presenters: KERI, Tibor; KERI, Tibor (University of Glasgow)

Session Classification: Nuclear Physics 3

Contribution ID: 111

Type: **not specified**

Development of a Fast-Timing LaBr₃(Ce) Array for NuSTAR

Monday, 4 April 2011 15:15 (15 minutes)

Summary

Presenter: ROBERTS, Oliver

Session Classification: Nuclear Physics 3

Contribution ID: 112

Type: **not specified**

X-ray Rocking Curve and Topography Study of High Quality Coherent Bremsstrahlung Radiators

Monday, 4 April 2011 14:00 (15 minutes)

Summary

Presenter: YANG, Guangliang

Session Classification: Nuclear Physics 4

Contribution ID: 113

Type: **not specified**

Eta Photoproduction on the Proton

Monday, 4 April 2011 14:15 (15 minutes)

Summary

Presenter: MANCELL, Joe

Session Classification: Nuclear Physics 4

Contribution ID: 114

Type: **not specified**

The excited hadron spectrum from lattice QCD

Monday, 4 April 2011 14:30 (15 minutes)

Summary

Presenter: FOLEY, Justin

Session Classification: Nuclear Physics 4

Contribution ID: 115

Type: **not specified**

DVCS spin asymmetries on the proton with the CLAS detector

Monday, 4 April 2011 14:45 (15 minutes)

Summary

Presenter: SMITH, Gary

Session Classification: Nuclear Physics 4

Contribution ID: 116

Type: **not specified**

Global features of proton-proton collisions at LHC energies using the ALICE detector

Monday, 4 April 2011 15:00 (15 minutes)

Summary

Presenter: PALAHA, Arvinder Singh (School of Physics and Astronomy-University of Birmingham)

Session Classification: Nuclear Physics 4

Contribution ID: 117

Type: **not specified**

Polarisation Observables for Strangeness Photoproduction on a Frozen Spin Target with CLAS at Jefferson Lab

Monday, 4 April 2011 15:15 (15 minutes)

Summary

Presenter: FEGAN, Stuart

Session Classification: Nuclear Physics 4

Contribution ID: **118**

Type: **not specified**

Prompt hadron production at LHCb

Tuesday, 5 April 2011 11:00 (15 minutes)

Summary

Presenter: CONTU, Andrea (CERN)

Session Classification: Particle Physics 1

Contribution ID: 119

Type: **not specified**

B and Bottomonium spectroscopy from lattice NRQCD

Tuesday, 5 April 2011 11:15 (15 minutes)

Summary

Presenter: DOWDALL, Rachel

Session Classification: Particle Physics 1

Contribution ID: 120

Type: **not specified**

Search for $B_s \rightarrow D_s + D_s^-$ at LHCb

Tuesday, 5 April 2011 11:30 (15 minutes)

Summary

Presenter: MYLROIE-SMITH, James Edwin (Oliver Lodge Laboratory-University of Liverpool-Unknown)

Session Classification: Particle Physics 1

Contribution ID: 121

Type: **not specified**

CP violation and lifetime measurement in $B_s \rightarrow KK$

Tuesday, 5 April 2011 12:00 (15 minutes)

Summary

Presenter: EKLUND, Lars (University of Glasgow)

Session Classification: Particle Physics 1

Contribution ID: 122

Type: **not specified**

Measurement of γ_{CP} and A_{Γ} via direct lifetime measurements

Tuesday, 5 April 2011 11:45 (15 minutes)

Summary

Presenter: Mr ALEXANDER, Michael Thomas (University of Glasgow)

Session Classification: Particle Physics 1

Contribution ID: 123

Type: **not specified**

Can the Inertia of Highly-Accelerated Particles Be Modified Electromagnetically?

Tuesday, 5 April 2011 12:15 (15 minutes)

Summary

Presenter: MCCULLOCH, Mike

Session Classification: Particle Physics 1

Contribution ID: 124

Type: **not specified**

Search for New Physics in the Dilepton channel using the ATLAS Detector at CERN

Tuesday, 5 April 2011 11:00 (15 minutes)

Summary

Presenter: HAYDEN, Daniel (Royal Holloway College-University of London)

Session Classification: Particle Physics 2

Contribution ID: 125

Type: **not specified**

Exotic Di-Photon Resonances at the ATLAS Experiment

Tuesday, 5 April 2011 11:15 (15 minutes)

Summary

Presenters: Mr WALLER, Peter (University of Liverpool); WALLER, Peter (University of Liverpool-Unknown-Unknown)

Session Classification: Particle Physics 2

Contribution ID: 126

Type: **not specified**

Phenomenology of doubly charged Higgs bosons at hadron colliders

Tuesday, 5 April 2011 11:30 (15 minutes)

Summary

Presenter: AKEROYD, Andrew

Session Classification: Particle Physics 2

Contribution ID: 127

Type: **not specified**

Using an effective charges method to extract the strong coupling constant

Tuesday, 5 April 2011 11:45 (15 minutes)

Summary

Presenter: MORGAN, Katy

Session Classification: Particle Physics 2

Contribution ID: 128

Type: **not specified**

Re-evaluation of the muon $g-2$ and QED coupling constant at the Z-boson mass

Tuesday, 5 April 2011 12:00 (15 minutes)

Summary

Presenter: LIAO, Ruofan

Session Classification: Particle Physics 2

Contribution ID: 129

Type: **not specified**

Search for CPT Violation in the Top Quark Sector at ATLAS

Tuesday, 5 April 2011 12:15 (15 minutes)

Summary

Presenters: CHAVDA, Vikash (University of Manchester-Unknown-Unknown); CHAVDA, Vikash Suresh (School of Physics and Astronomy Schuster Building-University of)

Session Classification: Particle Physics 2

Contribution ID: **130**

Type: **not specified**

LSND Oscillations in T2K

Tuesday, 5 April 2011 11:00 (15 minutes)

Summary

Presenter: WALDRON, Abbey

Session Classification: Particle Physics 3

Contribution ID: **131**

Type: **not specified**

SNO+ Experiment Phase 1

Tuesday, 5 April 2011 11:15 (15 minutes)

Summary

Presenter: JONES, Philip

Session Classification: Particle Physics 3

Contribution ID: 132

Type: **not specified**

The SNO+ Experiment

Tuesday, 5 April 2011 11:30 (15 minutes)

Summary

Presenter: CLARK, Kenneth

Session Classification: Particle Physics 3

Contribution ID: 133

Type: **not specified**

Optimisation of the Low-Energy Neutrino Factory

Tuesday, 5 April 2011 11:45 (15 minutes)

Summary

Presenter: BALLETT, Peter

Session Classification: Particle Physics 3

Contribution ID: 134

Type: **not specified**

Searching for sterile neutrino mixing in low energy neutrino factory

Tuesday, 5 April 2011 12:00 (15 minutes)

Summary

Presenter: WONG, Steven

Session Classification: Particle Physics 3

Contribution ID: 135

Type: **not specified**

Loop induced neutrino mass in a gauged B-L model

Tuesday, 5 April 2011 12:15 (15 minutes)

Summary

Presenter: SETO, Osamu

Session Classification: Particle Physics 3

Contribution ID: 136

Type: **not specified**

The Z/gamma* transverse momentum distribution at D0

Tuesday, 5 April 2011 11:00 (15 minutes)

Summary

Presenter: VESTERINEN, Mika

Session Classification: Particle Physics 4

Contribution ID: 137

Type: **not specified**

Measuring $\sigma(Z\mu\mu)$ at LHCb

Tuesday, 5 April 2011 11:15 (15 minutes)

Summary

Presenter: HICKS, Emma (University of Liverpool)

Session Classification: Particle Physics 4

Contribution ID: 138

Type: **not specified**

Measurement of QED Final State Radiation in $Z\mu\mu$

Tuesday, 5 April 2011 11:30 (15 minutes)

Summary

Presenter: XU, Da (Department of Physics and Astronomy-University of Sheffield-Unkn)

Session Classification: Particle Physics 4

Contribution ID: 139

Type: **not specified**

Studies on the Measurement of the $W \rightarrow e\nu$ Channel with the ATLAS 2010 Data

Tuesday, 5 April 2011 11:45 (15 minutes)

Summary

Presenter: WRONA, Bozydar (Department of Physics-Oliver Lodge Laboratory-University of Live)

Session Classification: Particle Physics 4

Contribution ID: 140

Type: **not specified**

First Measurement of the W Polarisation in the Electron Channel at CMS

Tuesday, 5 April 2011 12:00 (15 minutes)

Summary

Presenters: SPARROW, Alex; SPARROW, Alex

Session Classification: Particle Physics 4

Contribution ID: 141

Type: **not specified**

Jet Measurements using ATLAS at the LHC

Monday, 4 April 2011 17:00 (15 minutes)

Summary

Presenters: BAKER, Sarah (University College London-University of London-Unknown); BAKER, Sarah (UCL)

Session Classification: Particle Physics 4

Contribution ID: 142

Type: **not specified**

Mass composition of cosmic rays and particle physics at ultra high energies with the Pierre Auger Observatory

Tuesday, 5 April 2011 13:15 (15 minutes)

Summary

Presenter: BRUIJN, Ronald

Session Classification: Astroparticle Physics

Contribution ID: 143

Type: **not specified**

Systematic uncertainties in air shower measurements from high-energy hadronic interaction models

Tuesday, 5 April 2011 13:30 (15 minutes)

Summary

Presenter: PARSONS, Robert

Session Classification: Astroparticle Physics

Contribution ID: 144

Type: **not specified**

Studying Cosmic Ray Electrons with CTA

Tuesday, 5 April 2011 13:45 (15 minutes)

Summary

Presenter: PARSONS, Robert

Session Classification: Astroparticle Physics

Contribution ID: 145

Type: **not specified**

Can WR140, WR146 and WR147 be detected by CTA?

Tuesday, 5 April 2011 14:00 (15 minutes)

Summary

Presenter: BROOK, Paul

Session Classification: Astroparticle Physics

Contribution ID: 146

Type: **not specified**

Monte Carlo Simulations for the Cherenkov Telescope Array

Tuesday, 5 April 2011 14:15 (15 minutes)

Summary

Presenter: RULTEN, Cameron

Session Classification: Astroparticle Physics

Contribution ID: 147

Type: **not specified**

Latest results and future plans for the Edelweiss dark matter search

Tuesday, 5 April 2011 14:30 (15 minutes)

Summary

Presenter: HENRY, Sam

Session Classification: Astroparticle Physics

Contribution ID: 148

Type: **not specified**

Background reduction & spin-dependent results from DRIFT

Tuesday, 5 April 2011 14:45 (15 minutes)

Summary

Presenter: PIPE, Mark

Session Classification: Astroparticle Physics

Contribution ID: 149

Type: **not specified**

The status of searches for continuous gravitational waves

Tuesday, 5 April 2011 13:30 (15 minutes)

Summary

Presenter: PITKIN, Matthew

Session Classification: Gravitational Physics 1

Contribution ID: 150

Type: **not specified**

Modern optical techniques for gravitational wave detectors

Tuesday, 5 April 2011 13:45 (15 minutes)

Summary

Presenter: EDGAR, Matt

Session Classification: Gravitational Physics 1

Contribution ID: 151

Type: **not specified**

Thermal noise performance of advanced gravitational wave detector suspensions

Tuesday, 5 April 2011 14:00 (15 minutes)

Summary

Presenter: CUMMING, Alan

Session Classification: Gravitational Physics 1

Contribution ID: 152

Type: **not specified**

The UK hardware contribution to LISA Pathfinder

Tuesday, 5 April 2011 14:15 (15 minutes)

Summary

Presenter: KILLOW, Christian

Session Classification: Gravitational Physics 1

Contribution ID: 153

Type: **not specified**

New Measurements of Low Lying Isomers in the Experimental Storage Ring at GSI

Tuesday, 5 April 2011 15:00 (15 minutes)

Summary

Presenter: REED, Matthew

Session Classification: Nuclear Physics 1

Contribution ID: 154

Type: **not specified**

Measurements of Picosecond Lifetimes in the Transitional Nucleus ^{100}Pd using the RDDM in Inverse Kinematics

Tuesday, 5 April 2011 15:15 (15 minutes)

Summary

Presenter: ANAGNOSTATOU, Vasiliki

Session Classification: Nuclear Physics 1

Contribution ID: 155

Type: **not specified**

Low energy magnetic and electric dipole excitations in ^{182}W

Tuesday, 5 April 2011 15:30 (15 minutes)

Summary

Presenter: ERTUGRAL, Filiz

Session Classification: Nuclear Physics 1

Contribution ID: 156

Type: **not specified**

New high-spin states in ^{219}Ra : Evidence for the condensation of rotationally-aligned octupole phonons?

Tuesday, 5 April 2011 15:45 (15 minutes)

Summary

Presenter: WILSON, Christopher

Session Classification: Nuclear Physics 1

Contribution ID: 157

Type: **not specified**

The changing structure of ^{160}Er from low to ultrahigh spin

Tuesday, 5 April 2011 16:00 (15 minutes)

Summary

Presenter: OLLIER, James

Session Classification: Nuclear Physics 1

Contribution ID: 158

Type: **not specified**

Development of a simulation package for fragmentation reactions at GSI

Tuesday, 5 April 2011 15:00 (15 minutes)

Summary

Presenter: BLOOR, Daniel

Session Classification: Nuclear Physics 2

Contribution ID: 159

Type: **not specified**

Methodology development for analysis of in-beam AGATA data

Tuesday, 5 April 2011 15:15 (15 minutes)

Summary

Presenter: FILMER, Fay

Session Classification: Nuclear Physics 2

Contribution ID: 160

Type: **not specified**

Characterisation of AGATA HPGe detectors for Pulse Shape Analysis

Tuesday, 5 April 2011 15:30 (15 minutes)

Summary

Presenter: COLOSIMO, Samantha

Session Classification: Nuclear Physics 2

Contribution ID: **161**

Type: **not specified**

A Focussing disc DIRC for PANDA

Tuesday, 5 April 2011 15:45 (15 minutes)

Summary

Presenter: COWIE, Euan

Session Classification: Nuclear Physics 2

Contribution ID: 162

Type: **not specified**

A new Differential Plunger to measure lifetimes of unbound states in exotic nuclei

Tuesday, 5 April 2011 16:00 (15 minutes)

Summary

Presenter: TAYLOR, Michael

Session Classification: Nuclear Physics 2

Contribution ID: **163**

Type: **not specified**

Developments of the new laser-IGISOL facility

Tuesday, 5 April 2011 16:15 (15 minutes)

Summary

Presenter: JOHNSON, Duncan

Session Classification: Nuclear Physics 2

Contribution ID: 164

Type: **not specified**

Constraining on the Equation of State of Asymmetric Nuclear Matter with Collective Flow Observables

Tuesday, 5 April 2011 15:00 (15 minutes)

Summary

Presenters: MATTHEWS, Zoe Louise (School of Physics and Astronomy-University of Birmingham); MATTHEWS, Zoe

Session Classification: Nuclear Physics 3

Contribution ID: 165

Type: **not specified**

Role of Short-Range and Tensor Correlations in Nuclei

Tuesday, 5 April 2011 15:15 (15 minutes)

Summary

Presenter: RIOS HUGUET, Arnau

Session Classification: Nuclear Physics 3

Contribution ID: 166

Type: **not specified**

Exploring Nuclear Halos with the Ratio Method

Tuesday, 5 April 2011 15:30 (15 minutes)

Summary

Presenter: JOHNSON, Ronald

Session Classification: Nuclear Physics 3

Contribution ID: 167

Type: **not specified**

Nuclear Symmetry Energy in Ca+Ca Collisions

Tuesday, 5 April 2011 15:45 (15 minutes)

Summary

Presenter: WIGG, Peter

Session Classification: Nuclear Physics 3

Contribution ID: 168

Type: **not specified**

Absorbing Boundary Conditions in Time-Dependent Problems

Tuesday, 5 April 2011 16:00 (15 minutes)

Summary

Presenter: PARDI, Chris

Session Classification: Nuclear Physics 3

Contribution ID: **169**

Type: **not specified**

Tensor force effects in fusion reactions

Tuesday, 5 April 2011 16:15 (15 minutes)

Summary

Presenter: STEVENSON, Paul

Session Classification: Nuclear Physics 3

Contribution ID: 170

Type: **not specified**

A Shell model study of the high spin states in ^{88}Y

Tuesday, 5 April 2011 15:00 (15 minutes)

Summary

Presenter: BUNCE, Michael

Session Classification: Nuclear Physics 4

Contribution ID: 171

Type: **not specified**

Investigating trends in proton single-particle states outside $Z=50$ isotopes

Tuesday, 5 April 2011 15:15 (15 minutes)

Summary

Presenter: MITCHELL, A J

Session Classification: Nuclear Physics 4

Contribution ID: 172

Type: **not specified**

Single-neutron adding reactions outside the N=50 isotones

Tuesday, 5 April 2011 15:30 (15 minutes)

Summary

Presenter: SHARP, David

Session Classification: Nuclear Physics 4

Contribution ID: 173

Type: **not specified**

Evidence for a spin-aligned neutron-proton paired phase from the level structure of ^{92}Pd

Tuesday, 5 April 2011 15:45 (15 minutes)

Summary

Presenter: AL-AZRI, Harith

Session Classification: Nuclear Physics 4

Contribution ID: 174

Type: **not specified**

Spectroscopy of competing electromagnetic and radioactive decays from a high-spin isomer in the neutron-deficient nucleus, ^{158}Ta

Tuesday, 5 April 2011 16:00 (15 minutes)

Summary

Presenter: CARROLL, Robert

Session Classification: Nuclear Physics 4

Contribution ID: 175

Type: **not specified**

Lifetime of the $I\pi=4^-$ intruder state in ^{34}P using $\text{LaBr}_3\text{:Ce}$ fast timing

Tuesday, 5 April 2011 16:15 (15 minutes)

Summary

Presenter: MASON, Peter

Session Classification: Nuclear Physics 4

Contribution ID: 176

Type: **not specified**

Cauchy Horizon Stability in the Self-Similar LTB Spacetime

Wednesday, 6 April 2011 11:30 (15 minutes)

Summary

Presenter: DUFFY, Emily

Session Classification: Gravitational Physics 1

Contribution ID: 177

Type: **not specified**

Beyond the single mode approximation

Wednesday, 6 April 2011 11:45 (15 minutes)

Summary

Presenter: BRUSCHI, David

Session Classification: Gravitational Physics 1

Contribution ID: 178

Type: **not specified**

Wheeler-DeWitt's Equation Corrected for Quantum Geometry

Wednesday, 6 April 2011 12:00 (15 minutes)

Summary

Presenter: FIL'CHENKOV, Michael

Session Classification: Gravitational Physics 1

Contribution ID: 179

Type: **not specified**

Search for gravitational waves associated with short hard Gamma Ray Bursts

Wednesday, 6 April 2011 12:15 (15 minutes)

Summary

Presenter: PREDOI, Valeriu

Session Classification: Gravitational Physics 1

Contribution ID: **180**

Type: **not specified**

Global stability: from vacuum to matter

Wednesday, 6 April 2011 11:30 (15 minutes)

Summary

Presenter: LUEBBE, Christian

Session Classification: Gravitational Physics 2

Contribution ID: **181**

Type: **not specified**

The Coincidence Problem in a Phantom Cyclic Model of the Universe

Wednesday, 6 April 2011 11:45 (15 minutes)

Summary

Presenter: CHANG, Hui-Yiing

Session Classification: Gravitational Physics 2

Contribution ID: 182

Type: **not specified**

Black holes with SU(N) gauge fields and superconducting horizons

Wednesday, 6 April 2011 12:00 (15 minutes)

Summary

Presenter: SHEPHERD, Ben

Session Classification: Gravitational Physics 2

Contribution ID: **183**

Type: **not specified**

The search for gravitational waves from low mass compact binary coalescences with the LIGO-Virgo network

Wednesday, 6 April 2011 12:15 (15 minutes)

Summary

Presenter: MACLEOD, Duncan

Session Classification: Gravitational Physics 2

Contribution ID: **184**

Type: **not specified**

Purification Studies Towards Giant Liquid Argon TPC without Evacuation

Wednesday, 6 April 2011 11:30 (15 minutes)

Summary

Presenter: MAVROKORIDIS, Konstantinos (University of Sheffield)

Session Classification: Particle Physics 2

Contribution ID: 185

Type: **not specified**

Reconstruction Challenges in Large Volume Liquid Argon Detectors

Wednesday, 6 April 2011 11:45 (15 minutes)

Summary

Presenter: BENNIESTON, Andrew (University of Warwick)

Session Classification: Particle Physics 2

Contribution ID: **186**

Type: **not specified**

Multivariate Data Visualisation and Lepton Jets

Wednesday, 6 April 2011 12:00 (15 minutes)

Summary

Presenter: RADBURN-SMITH, Benjamin

Session Classification: Particle Physics 2

Contribution ID: **187**

Type: **not specified**

Multianode Photomultiplier Tube Studies for Imaging Applications

Wednesday, 6 April 2011 12:15 (15 minutes)

Summary

Presenter: MONTGOMERY, Rachel

Session Classification: Particle Physics 2

Contribution ID: **188**

Type: **not specified**

Recursive algorithms for digital nuclear pulse processing

Wednesday, 6 April 2011 12:30 (15 minutes)

Summary

Presenter: NAKHOSTIN, Mohammad

Session Classification: Particle Physics 2

Contribution ID: **189**

Type: **not specified**

SNEMO Calibration Software and NEMO3 Ca48 analysis

Wednesday, 6 April 2011 11:30 (15 minutes)

Summary

Presenter: RICHARDS, Benjamin

Session Classification: Particle Physics 3

Contribution ID: **190**

Type: **not specified**

The Coherent Muon to Electron Transition (COMET) Experiment

Wednesday, 6 April 2011 11:45 (15 minutes)

Summary

Presenter: KURUP, Ajit (Imperial College London)

Session Classification: Particle Physics 3

Contribution ID: 191

Type: **not specified**

Charged Lepton Flavour Violation (cLFV) via experimental Coherent Muon-to-Electron Transition (CoMET)

Wednesday, 6 April 2011 12:00 (15 minutes)

Summary

Presenter: D'ARCY, Richard

Session Classification: Particle Physics 3

Contribution ID: 192

Type: **not specified**

CryoEDM: building a simulation framework for ultra-cold neutrons

Wednesday, 6 April 2011 12:15 (15 minutes)

Summary

Presenter: RASO-BARNETT, Matthew

Session Classification: Particle Physics 3

Contribution ID: 193

Type: **not specified**

The Final Measurement of the Muon Decay Parameters from the TWIST Experiment

Wednesday, 6 April 2011 12:30 (15 minutes)

Summary

Presenter: BAYES, Ryan

Session Classification: Particle Physics 3

Contribution ID: 194

Type: **not specified**

An alternative subtraction scheme for next-to-leading order QCD calculations

Monday, 4 April 2011 17:15 (15 minutes)

Summary

Presenters: ROBENS, Tania (University of Glasgow); Dr ROBENS, Tania (RWTH Aachen, Institut fuer Theoretische Physik E); ROBENS, Tania (RWTH Aachen, Aachen, Germany)

Session Classification: Particle Physics 4

Contribution ID: 195

Type: **not specified**

On the search for the Higgs at the ATLAS experiment

Wednesday, 6 April 2011 11:30 (15 minutes)

Summary

Presenter: WOODEN, Gemma Holly (Department of Theoretical Physics-University of Oxford-Unknown)

Session Classification: Particle Physics 4

Contribution ID: 196

Type: **not specified**

The search for a Standard Model Higgs boson in the Vector Boson Fusion $\mu\mu$ final state with the ATLAS detector

Wednesday, 6 April 2011 11:45 (15 minutes)

Summary

Presenter: EDWARDS, Clive Andrew (Royal Holloway College University of London)

Session Classification: Particle Physics 4

Contribution ID: 197

Type: **not specified**

Searches for a Light Charged Higgs Boson with $H^{\pm} \rightarrow c\bar{s}$ in Early ATLAS Data

Wednesday, 6 April 2011 12:00 (15 minutes)

Summary

Presenter: MARTYNIUK, Alex Christopher (School of Physics and Astronomy Schuster Building-University of)

Session Classification: Particle Physics 4

Contribution ID: **198**

Type: **not specified**

Antenna Subtraction in pQCD at NNLO

Wednesday, 6 April 2011 12:15 (15 minutes)

Summary

Presenter: CURRIE, James

Session Classification: Particle Physics 4

Contribution ID: **199**

Type: **not specified**

Results from the second run of the ZEPLIN-III dark matter experiment

Wednesday, 6 April 2011 13:30 (15 minutes)

Summary

Presenter: ARAUJO, Henrique (Unknown)

Session Classification: Astroparticle Physics

Contribution ID: 200

Type: **not specified**

Measurement of nuclear recoil scintillation and ionisation yields of liquid xenon using ZEPLIN-III

Wednesday, 6 April 2011 13:45 (15 minutes)

Summary

Presenter: CURRIE, Alastair

Session Classification: Astroparticle Physics

Contribution ID: 201

Type: **not specified**

The ZEPLIN-III Veto Detector: Performance and Results

Wednesday, 6 April 2011 14:00 (15 minutes)

Summary

Presenter: GHAG, Chamkaur

Session Classification: Astroparticle Physics

Contribution ID: 202

Type: **not specified**

Using the ZEPLIN-III veto detector as a diagnostic tool

Wednesday, 6 April 2011 14:15 (15 minutes)

Summary

Presenter: HOLLINGSWORTH, Anthony

Session Classification: Astroparticle Physics

Contribution ID: 203

Type: **not specified**

Single electron detection in liquid xenon and its application to neutrino detection

Wednesday, 6 April 2011 14:30 (15 minutes)

Summary

Presenter: HORN, Markus

Session Classification: Astroparticle Physics

Contribution ID: 204

Type: **not specified**

Low Energy Quenching Factors for a Plastic Scintillator

Wednesday, 6 April 2011 14:45 (15 minutes)

Summary

Presenter: REICHHART, Lea

Session Classification: Astroparticle Physics

Contribution ID: 205

Type: **not specified**

Testing Relativity with Gravitational Wave Observations

Wednesday, 6 April 2011 13:30 (15 minutes)

Summary

Presenter: VEITCH, John

Session Classification: Gravitational Physics 1

Contribution ID: 206

Type: **not specified**

r-modes, gravitational waves and extreme physics

Wednesday, 6 April 2011 13:45 (15 minutes)

Summary

Presenter: ANDERSSON, Nils

Session Classification: Gravitational Physics 1

Contribution ID: 207

Type: **not specified**

A Search For Gravitational Waves Associated With The August 2006 Timing Glitch Of The Vela Pulsar

Wednesday, 6 April 2011 14:00 (15 minutes)

Summary

Presenter: CLARK, James

Session Classification: Gravitational Physics 1

Contribution ID: 208

Type: **not specified**

Information extraction and GR testing from a black hole ringdown radiation

Wednesday, 6 April 2011 14:15 (15 minutes)

Summary

Presenter: KAMARETSOS, Ioannis

Session Classification: Gravitational Physics 1

Contribution ID: **209**

Type: **not specified**

Tracking the precession of compact binaries

Wednesday, 6 April 2011 14:30 (15 minutes)

Summary

Presenter: SCHMIDT, Patricia

Session Classification: Gravitational Physics 1

Contribution ID: 210

Type: **not specified**

Fundamental physics and astrophysics with the Einstein Telescope

Wednesday, 6 April 2011 14:45 (15 minutes)

Summary

Presenter: DENT, Thomas

Session Classification: Gravitational Physics 1

Contribution ID: 211

Type: **not specified**

A self-similar cylindrically symmetric gravitational collapse model

Wednesday, 6 April 2011 13:30 (15 minutes)

Summary

Presenter: NOLAN, Louise

Session Classification: Gravitational Physics 2

Contribution ID: 212

Type: **not specified**

Self-similar cylindrical spacetimes coupled to a scalar field

Wednesday, 6 April 2011 13:45 (15 minutes)

Summary

Presenter: CONDRON, Eoin

Session Classification: Gravitational Physics 2

Contribution ID: 213

Type: **not specified**

Pre-inflationary homogenization of the Universe

Wednesday, 6 April 2011 14:00 (15 minutes)

Summary

Presenter: BOLEJKO, Krzysztof

Session Classification: Gravitational Physics 2

Contribution ID: 214

Type: **not specified**

Binary systems of extreme black holes

Wednesday, 6 April 2011 14:15 (15 minutes)

Summary

Presenter: MANKO, Vladimir

Session Classification: Gravitational Physics 2

Contribution ID: 215

Type: **not specified**

Gravitational Self-Force Calculations for Extreme Mass-Ratio Inspirals: the 2+1D approach

Wednesday, 6 April 2011 14:30 (15 minutes)

Summary

Presenter: DOLAN, Sam

Session Classification: Gravitational Physics 2

Contribution ID: 216

Type: **not specified**

A classical variational approach to dissipation in general relativity

Wednesday, 6 April 2011 14:45 (15 minutes)

Summary

Presenter: LOPEZ-MONSALVO, Cesar

Session Classification: Gravitational Physics 2

Contribution ID: 217

Type: **not specified**

The ALICE Accelerator R&D Facility

Wednesday, 6 April 2011 14:00 (15 minutes)

Summary

Presenter: Dr JACKSON, Frank (Daresbury Laboratory)

Session Classification: Particle Accelerators and Beams 1

Contribution ID: **218**

Type: **not specified**

First lasing of the ALICE free electron laser

Wednesday, 6 April 2011 14:15 (15 minutes)

Summary

Presenter: DUNNING, David

Session Classification: Particle Accelerators and Beams 1

Contribution ID: 219

Type: **not specified**

Developments of high brightness, high repetition rate photoelectron injectors at STFC ASTeC

Wednesday, 6 April 2011 14:30 (15 minutes)

Summary

Presenter: MILITSYN, Boris

Session Classification: Particle Accelerators and Beams 1

Contribution ID: 220

Type: **not specified**

Design of the Max-IV Injector

Wednesday, 6 April 2011 14:45 (15 minutes)

Summary

Presenter: WILLIAMS, Peter

Session Classification: Particle Accelerators and Beams 1

Contribution ID: 221

Type: **not specified**

High intensity proton FFAG accelerator challenges

Wednesday, 6 April 2011 15:00 (15 minutes)

Summary

Presenter: SHEEHY, Suzanne

Session Classification: Particle Accelerators and Beams 1

Contribution ID: 222

Type: **not specified**

Studies of Ionization Cooling Lattices for the Neutrino Factory

Wednesday, 6 April 2011 15:15 (15 minutes)

Summary

Presenter: ALEKOU, Androula

Session Classification: Particle Accelerators and Beams 1

Contribution ID: 223

Type: **not specified**

Energy spoiler design for CLIC

Wednesday, 6 April 2011 14:00 (15 minutes)

Summary

Presenters: Dr FERNANDEZ HERNANDO, Juan (STFC/ASTeC); FERNANDEZ HERNANDO, Luis (Technical University of Catalonia)

Session Classification: Particle Accelerators and Beams 2

Contribution ID: 224

Type: **not specified**

Pomeron exchange modelling of elastic and diffractive scattering applied to collimation studies for LHC

Wednesday, 6 April 2011 14:15 (15 minutes)

Summary

Presenters: TOADER, Adina (University of Manchester); TOADER, Adina (University of Manchester)

Session Classification: Particle Accelerators and Beams 2

Contribution ID: 225

Type: **not specified**

Beam Gas simulations for LHCb at 3.5 TeV beam energy

Wednesday, 6 April 2011 14:30 (15 minutes)

Summary

Presenter: BRETT, David Robert (School of Physics and Astronomy Schuster Laboratory-University of Manchester)

Session Classification: Particle Accelerators and Beams 2

Contribution ID: 226

Type: **not specified**

Crab Cavities for High Energy Colliders

Wednesday, 6 April 2011 14:45 (15 minutes)

Summary

Presenter: BURT, Graeme (Cockcroft Institute)

Session Classification: Particle Accelerators and Beams 2

Contribution ID: 227

Type: **not specified**

Latest results from the FONT5 intra-train beam-based feedback system at ATF2

Wednesday, 6 April 2011 15:00 (15 minutes)

Summary

Presenter: BETT, Douglas

Session Classification: Particle Accelerators and Beams 2

Contribution ID: 228

Type: **not specified**

Undulator Based Positron Sources

Wednesday, 6 April 2011 15:15 (15 minutes)

Summary

Presenter: JENKINS, Mike

Session Classification: Particle Accelerators and Beams 2

Contribution ID: 229

Type: **not specified**

An Overview of Recent DVCS Results at HERMES

Wednesday, 6 April 2011 15:45 (15 minutes)

Summary

Presenter: MAHON, David

Session Classification: Nuclear Physics 1

Contribution ID: 230

Type: **not specified**

Measurement of identified charged particle spectra in p-p collisions with the ALICE detector

Wednesday, 6 April 2011 16:00 (15 minutes)

Summary

Presenters: PETROV, Plamen Rumenov (School of Physics and Astronomy-University of Birmingham); PETROV, Plamen Rumenov (School of Physics and Astronomy-University of Birmingham-Unknown)

Session Classification: Nuclear Physics 1

Contribution ID: 231

Type: **not specified**

Measurement of the Double Polarisation Observable in Pion Photoproduction with the Crystal Ball at MAMI

Wednesday, 6 April 2011 16:15 (15 minutes)

Summary

Presenter: HALL BARRIENTOS, Pauline

Session Classification: Nuclear Physics 1

Contribution ID: 232

Type: **not specified**

Exploring QCD with Anti-protons - PANDA at FAIR

Wednesday, 6 April 2011 16:30 (15 minutes)

Summary

Presenter: HOEK, Matthias

Session Classification: Nuclear Physics 1

Contribution ID: 233

Type: **not specified**

Electromagnetic Theory of the Nuclear Interaction. Application to the Hydrogen and Helium Isotopes

Wednesday, 6 April 2011 16:45 (15 minutes)

Summary

Presenter: SCHAEFFER, Bernard

Session Classification: Nuclear Physics 1

Contribution ID: 234

Type: **not specified**

Form factor measurements in the presence of two-photon exchange

Wednesday, 6 April 2011 17:00 (15 minutes)

Summary

Presenter: LEHMANN, Inti

Session Classification: Nuclear Physics 1

Contribution ID: 235

Type: **not specified**

Prospects for Meson Spectroscopy with CLAS12

Wednesday, 6 April 2011 17:15 (15 minutes)

Summary

Presenter: GLAZIER, Derek

Session Classification: Nuclear Physics 1

Contribution ID: 236

Type: **not specified**

Relative quadrupole moments of exotic shapes in 154Er

Wednesday, 6 April 2011 15:45 (15 minutes)

Summary

Presenter: REVILL, John

Session Classification: Nuclear Physics 2

Contribution ID: 237

Type: **not specified**

Gamma-ray spectroscopy of excited states in the highly neutron-deficient nucleus ^{158}W

Wednesday, 6 April 2011 16:00 (15 minutes)

Summary

Presenter: DONOSA, Liliana

Session Classification: Nuclear Physics 2

Contribution ID: 238

Type: **not specified**

Recoil-decay tagging studies of the highly neutron-deficient nucleus ^{159}Ta

Wednesday, 6 April 2011 16:15 (15 minutes)

Summary

Presenter: SAYGI, Bahadir

Session Classification: Nuclear Physics 2

Contribution ID: 239

Type: **not specified**

Mass & Energy Distributions of Cf Fission Fragments using STEFF

Wednesday, 6 April 2011 16:30 (15 minutes)

Summary

Presenter: POLLITT, Andrew

Session Classification: Nuclear Physics 2

Contribution ID: 240

Type: **not specified**

Beta delayed fission studies of the neutron deficient Tl and Fr nuclei

Wednesday, 6 April 2011 16:45 (15 minutes)

Summary

Presenter: LIBERATI, Valentina

Session Classification: Nuclear Physics 2

Contribution ID: 241

Type: **not specified**

Mass Fragmentation of ^{241}Am Fission by Neutrons of Energy 14.8 MeV

Wednesday, 6 April 2011 17:00 (15 minutes)

Summary

Presenter: SALEEM, Mohammad

Session Classification: Nuclear Physics 2

Contribution ID: 242

Type: **not specified**

Preliminary Compton imaging results of the AGATA A006 detector

Wednesday, 6 April 2011 16:00 (15 minutes)

Summary

Presenter: SLEE, Mike

Session Classification: Nuclear Physics 3

Contribution ID: 243

Type: **not specified**

Study of Hamamatsu H8500 Multi-Anode Photo Multiplier Tubes with a focus on the dynode 12 Signal

Wednesday, 6 April 2011 16:15 (15 minutes)

Summary

Presenter: NUTBEAM, Sian

Session Classification: Nuclear Physics 3

Contribution ID: 244

Type: **not specified**

Development of the CRIS (Collinear Resonant Ionisation Spectroscopy) beam line

Wednesday, 6 April 2011 16:30 (15 minutes)

Summary

Presenter: PROCTER, Thomas

Session Classification: Nuclear Physics 3

Contribution ID: 245

Type: **not specified**

Characterisation of the Bucharest LaBr₃:Ce - HPGe Fast-Timing gamma-ray array

Wednesday, 6 April 2011 16:45 (15 minutes)

Summary

Presenter: ALHARBI, Thamer

Session Classification: Nuclear Physics 3

Contribution ID: 246

Type: **not specified**

Compton imaging with a planar semiconductor system using pulse shape analysis

Wednesday, 6 April 2011 17:00 (15 minutes)

Summary

Presenter: SWEENEY, Anthony

Session Classification: Nuclear Physics 3

Contribution ID: 247

Type: **not specified**

Sage Spectrometer: Comparison of First Results and Geant4 Simulation

Wednesday, 6 April 2011 17:15 (15 minutes)

Summary

Presenter: COX, Daniel

Session Classification: Nuclear Physics 3

Contribution ID: 248

Type: **not specified**

TZ = -1 to 0 beta decays and the $\Delta T = 0$, M1 transition “quasi-rule”

Wednesday, 6 April 2011 15:45 (15 minutes)

Summary

Presenter: GELLETLY, William

Session Classification: Nuclear Physics 4

Contribution ID: 249

Type: **not specified**

Non-yrast structures at low spin in the gamma-soft nucleus ^{156}Er

Wednesday, 6 April 2011 16:00 (15 minutes)

Summary

Presenter: REES, Joseph

Session Classification: Nuclear Physics 4

Contribution ID: 250

Type: **not specified**

Measurements of octupole collectivity in $^{220,222}\text{Rn}$ and $^{222,224}\text{Ra}$ using Coulomb excitation at ISOLDE, CERN

Wednesday, 6 April 2011 16:15 (15 minutes)

Summary

Presenter: GAFFNEY, Liam

Session Classification: Nuclear Physics 4

Contribution ID: 251

Type: **not specified**

Deformation in the mid fp shell: isomer tagging in ^{59}Cr

Wednesday, 6 April 2011 16:30 (15 minutes)

Summary

Presenter: DEACON, Alick

Session Classification: Nuclear Physics 4

Contribution ID: 252

Type: **not specified**

A $K\pi = 8+$ isomer in ^{162}Dy and the relative importance of competing K-mixing mechanisms for 2- quasiparticle isomer decays in the $82 \leq N \leq 126$ region

Wednesday, 6 April 2011 16:45 (15 minutes)

Summary

Presenter: SWAN, Tom

Session Classification: Nuclear Physics 4

Contribution ID: 253

Type: **not specified**

Neutron activation analysis for contraband detection using a ^{241}Am -Be source

Wednesday, 6 April 2011 17:00 (15 minutes)

Summary

Presenter: AL-AJILI, Adwan

Session Classification: Nuclear Physics 4

Contribution ID: 254

Type: **not specified**

Nuclear Data for Space Radiation

Wednesday, 6 April 2011 17:15 (15 minutes)

Summary

Presenter: NORBURY, John

Session Classification: Nuclear Physics 4

Contribution ID: 255

Type: **not specified**

Extra

Wednesday, 6 April 2011 12:30 (1 minute)

Summary

Presenters: COLQUHOUN, Brian; BELL, Christopher; IRELAND, Dave; MACKEW, Jon; STACY, Lauren; CAMPSIE, Paul

Session Classification: Particle Physics 4

Contribution ID: 256

Type: **not specified**

STFC: John Womersley / Janet Seed

Thursday, 7 April 2011 14:00 (30 minutes)

Summary

Presenters: SEED, Janet (STFC); Dr WOMERSLEY, John (RAL)

Session Classification: STFC Town Meeting

Contribution ID: 257

Type: **not specified**

PPAN

Thursday, 7 April 2011 14:30 (20 minutes)

Summary

Presenter: Dr NASH, Jordan (Imperial College)

Session Classification: STFC Town Meeting