

Session Program

21-23 Mar 2016



IoP HEPP and AP joint meeting

Parallel session 4

University of Sussex, Chichester Lecture Theatre
Falmer Brighton BN1 9QJ UK

Wednesday 23 March

09:35

Parallel session 4: Session 4A

Session | **Location:** University of Sussex, Chichester Lecture Theatre

09:35–09:50

The search for the production of four top quarks at the CMS experiment

Speaker

Lana Margaret Gwen Beck

09:50–10:05

Search for high mass Zgamma resonances using leptonic Z Boson decays in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Speaker

Nathan Peter Readioff

10:05–10:20

Theoretical uncertainties in the search for heavy gauge bosons at the LHC

Speaker

Ellis Kay

10:35

09:35

Parallel session 4: Session 4B

Session | **Location:** University of Sussex, Pevensey 1, Level 1 A06 (1A06)

09:35–09:50

Determining the standard model backgrounds of a search for new physics with jets and missing transverse momentum in 13 TeV pp collisions at the LHC

Speaker

Adam Christopher Elwood

09:50–10:05

Statistical methods for optimising the sensitivity of a search for new physics using jets and missing transverse momentum in 13 TeV pp collisions at the LHC

Speaker

Matthew Daniel Citron

10:05–10:20

Search for bottom squark pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 13$ TeV

Speaker

John Kenneth Anders

10:35

09:35

Parallel session 4: Session 4C

Session | **Location:** University of Sussex, Pevensey 1, Level 1 A07 (1A07)

09:35–09:50

The ANNIE Experiment - Measuring neutron yield from accelerator neutrino interactions. Marcus O'Flaherty, University of Sheffield, UK

09:50-10:05

Prototype detection unit for the CHIPS experiment. Maciej Pfutzner, University College London, UK

10:05-10:20

Search for short baseline oscillations with the SoLid Experiment

Speaker

Antonin Vacheret

10:35

09:35

Parallel session 4: Session 4D

Session | **Location:** University of Sussex, Pevensey 1, Level 2 D10 (2D10)

09:35-09:50

Status of the NA62 experiment at CERN SPS

Speaker

Angela Romano

09:50-10:05

The coherent muon to electron transition experiment

Speaker

Ajit Kurup

10:05-10:20

Physics with the g-2 straw tracker. Thomas Stuttard, University College London, UK

10:20-10:35

Measurement of the width difference of the B_d meson with the ATLAS detector

Speaker

Malcolm Bruce Skinner

10:35