Session Program

Mar 21 – 23, 2016

IoP HEPP and AP joint meeting

Parallel session 4

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

Wed, March 23

9:35 AM

Parallel session 4: Session 4A

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

9:35 – 9:50 AM

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

Speaker
Lana Margaret Gwen Beck

9:50 – 10:05 AM

Search for high mass Zgamma resonances using leptonic Z Boson decays in pp collisions at √s = 13 TeV with the ATLAS detector

Speaker
Nathan Peter Readioff

10:05 – 10:20 AM

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

Speaker
Ellis Kay

10:35 AM

9:35 AM

Parallel session 4: Session 4B

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

9:35 – 9:50 AM

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

9:50 – 10:05 AM

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 AM

Search for bottom squark pair production with the ATLAS detector in proton-proton collisions at sqrt(s) = 13TeV

Speaker
John Kenneth Anders

10:35 AM

9:35 AM

Parallel session 4: Session 4C

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

9:35 – 9:50 AM

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

9:50 – 10:05 AM

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

10:05 – 10:20 AM **Search for short baseline oscillations with the SoLid Experiment**

Speaker
Antonin Vacheret

10:35 AM

9:35 AM

Parallel session 4: Session 4D

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

9:35 – 9:50 AM **Status of the NA62 experiment at CERN SPS**

Speaker
Angela Romano

9:50 – 10:05 AM **The coherent muon to electron transition experiment**

Speaker
Ajit Kurup

10:05 – 10:20 AM

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

10:20 – 10:35 AM

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

Speaker
Malcolm Bruce Skinner

10:35 AM