

## **Session Program**

**21-23 Mar 2016**



## **IoP HEPP and AP joint meeting**

### ***Parallel session 1***

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

# Monday 21 March

16:45

## Parallel session 1: Session 1A

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

16:45–17:00

### Searching for dijet resonances with the ATLAS detector

#### Speaker

Lydia Audrey Beresford

17:00–17:15

### Pursuit of new physics in events with many jets at ATLAS

#### Speaker

William James Fawcett

17:15–17:30

### Jet trigger performance and background studies for a dark matter search in ATLAS

#### Speaker

Valentinos Christodoulou

17:30–17:45

### Searches for diboson resonances at ATLAS using boson-tagged jets

#### Speaker

Alex Christopher Martyniuk

17:45

16:45

## Parallel session 1: Session 1B

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

16:45–17:00

### Charmless B meson decays $B_s \rightarrow p \overline{h} h$ ( $h = \pi, K$ ) at LHCb

#### Speaker

Giulio Dujany

17:00–17:15

### Studies of charmless multi-body b-baryon decays at LHCb

#### Speaker

Daniel Patrick O'Hanlon

17:15–17:30

### Testing lepton universality in rare decays of $\Lambda_b$ baryons using LHCb data

#### Speaker

Sean Kirwan

17:30–17:45

### Measurement of the forward energy flow in pp collisions at centre-of-mass energy of 13 TeV with the LHCb experiment

#### Speaker

Karlis Dreimanis

17:45

16:45

## Parallel session 1: Session 1C

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

16:45–17:00

### Search for neutrinoless double beta decay of Ge-76 with the GERDA experiment

**Speaker**

Andrea Kirsch

17:00–17:15

**Neutrinoless double beta decay with SNO+****Speaker**

Edward Leming

17:15–17:30

**Detecting Axion-Like Particles, originating from the Sun, with large neutrino detectors such as SNO+****Speaker**

Christopher Rob Jones

17:30–17:45

**Search for Majorana neutrinos in LHCb****Speaker**

Federico Leo Redi

17:45

16:45

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

16:45–17:00

**Recent results from the Pierre Auger Observatory****Speaker**

Ad van den Berg

17:00–17:15

**Interactions between ultra high-energy particles and protogalactic environments. Ellis Owen, UCL**

17:15–17:30

**Results of the CASCADE microwave hidden sector photon search****Speaker**

Ian Bailey

17:30–17:45

**Gauge-independence of tunneling rates****Speaker**

Carlos Tamarit

17:45

16:45

**Parallel session 1: Session 1E****Session** | **Location:** University of Sussex, Pevensey 1, Level 2 D11 (2D11)

16:45–17:00

**Testing lepton flavour universality with the R K0 ratio****Speaker**

Luca Pescatore

17:00–17:15

**Asls and the Ds production asymmetry****Speaker**

Suzanne Klaver

17:15–17:30

**Lifetime measurements and time dependent CP violation of  $B \rightarrow h+h'$** **Speaker**

Sarah Karodia

17:30-17:45

## Search for CP violation in multi-body charm decays with the energy test

**Speaker**

Shanzhen Chen

17:45