

# **Monday 3 April**

15:00

### Parallel stream 3: Session 1

Session | Location: Lecture Theatre 2 (4.04), 4th floor, Bush House | Convener: Dr Christopher McCabe

15:00-15:15

Development of a Phase Shear Detection System for the MAGIS-100 and AION **Experiments** 

Speaker

**Gedminas Elertas** 

15:15-15:30 Development of the MAGIS-100 primary science imager

**Speaker** 

Daniel Wood

15:30-15:45

Electronic feedback system for the MAGIS-100 and AION retro reflection chamber

Speaker

Henry Throssell

15:45-16:00

Terrestrial Limits on Ultra-light Dark Matter Detection With Atom Interferometers; **MAGIS-100 and AION** 

Speaker

Dr Jeremiah Mitchell

16:00-16:15 Quantum Technologies for Neutrino Mass

Speaker

Dr Seb Jones

16:15-16:30 QSHS collaboration

Speaker

Paul Smith

16:30 17:00

#### Parallel stream 3: Session 2

Session | Location: Lecture Theatre 2 (4.04), 4th floor, Bush House | Convener: Dr Sally Shaw

17:00-17:15

The complexity of cosmic large-scale structure encoded in a single wavefunction

Speaker

Alex Gough

17:15-17:30

DarkSide50 low mass analysis with non standard operators and Earth shielding effects

Speaker

Elizabeth Leason

17:30-17:45 The Cold Radon Emanation Facility

<b>Speaker</b> Emily Perry	
17:45-18:00	Neutron Activation Background in the LUX-ZEPLIN Experiment
<b>Speaker</b> Tom Rushton	
18:00-18:15	Photon Propagation in the LUX-ZEPLIN Experiment
<b>Speaker</b> Anna David	
18:15-18:30	Low energy electron recoil searches in LUX-ZEPLIN
<b>Speaker</b> Anh Nguyen	
18:30-18:45	Calibration using a YBe source in the LUX-ZEPLIN experiment
Speaker Amardeep Chawla	

18:45

## **Wednesday 5 April**

Parallel stream 3: Session 3
Session | Location: Lecture Theatre 2 (4.04), 4th floor, Bush House | Convener: Cheryl Patrick

11:30-11:45
Probing the Nature of Heavy Neutral Leptons in Direct Searches and Neutrinoless Double Beta Decay
Speaker
Zhong Zhang

11:45-12:00 From NEXT-White to NEXT100: Results and expectations.
Speaker
Brais Palmeiro Pazos

12:00-12:15 The NEXT tonne-scale programme
Speaker
Helena Almazan

12:30

13:30

### Parallel stream 3: Session 4

12:15-12:30 LEGEND-200 first operational results

Session | Location: Lecture Theatre 2 (4.04), 4th floor, Bush House | Convener: Andrew Pilkington

13:30-13:45

Large Area Picosecond Photodetector for the Upgrade II of the LHCb RICH

Speaker

**Speaker** George Marshall

Federica Oliva

13:45-14:00 MightyPix: An HV-CMOS Pixel Chip for LHCb's Mighty Tracker

Speaker

Sigrid Scherl

14:00-14:15

The CMS Upgrade High Granularity Calorimeter Electronics Test Systems

Speaker

Miloš Vojinović

14:15-14:30 Duplicate Track Removal in the CMS L1 Track-Finder

Speaker

Katie Walkingshaw Pass

14:30-14:45

Calibration and Adjustment of Noise Thresholds for ATLAS Run3 Level-1 Electron Trigger

Speaker

Chonghao Wu

14:45-15:00

# Non-Parametric Data-Driven Background Modelling using Conditional Probabilities

### **Speakers**

Julia Manuela Cardoso Silva, Júlia Silva

15:00