

# **Monday 7 April**

16:00

# **Detectors and Instrumentation: 1**

Session | Location: Seminar East (A0.015E)

16:00-16:15 Muon Tracking in an Opaque Scintillator Detector with LiquidO

Speaker

Jess Lock

# 16:15-16:30

New Physics Studies at a Future Electron-Ion Collider Experiment: Study of Misalignment and Realignment for the High-Performance DIRC in Particle Identification

Speaker

Afaf Wasili

#### 16:30-16:45

Adaptation of MINOS photomultipliers for low cost, large scale applications in contemporary particle physics experiments

Speaker

Alex Sells

16:45-17:00 Materials screening at Boulby Underground Laboratory

Speaker

Alice Hamer

# 17:00-17:15

Simulating LiquidO detectors for prototype research and development

**Speaker** 

Ben Cattermole

# 17:15-17:30

Characterization of an ASIC-based readout system for the SAND experiment

Speaker

Dr Camilla Maggio

# 17:30-17:45

QUEST-DMC: Superfluid bolometer development for dark matter direct detection

Speaker

Elizabeth Leason

17:45-18:00 ITk Pixel Multi Module Readout Tests

Speaker

Juliette Martin

18:00

# **Tuesday 8 April**

13:30

# **Detectors and Instrumentation: 2**

**Session** | **Location:** Seminar East (A0.015E)

# 13:30-13:45

Inductively Coupled Plasma Mass Spectrometry at the Boulby Underground Laboratory.

### Speaker

Sid Ahmed Maouloud

13:45-14:00 Performance and Monitoring of LUX-ZEPLIN's Outer Detector

# Speaker

Megan Carter

# 14:00-14:15

Strong-field QED measurement tests at FACET-II using new electron detector concept

#### Speaker

Luke Hendriks

14:15-14:30 Characterisation of the next generation fast-timing photon-detectors

# Speaker

Alexander Davidson

14:30-14:45 DarkSide-20k veto photodetector assembly

### Speaker

Dr Ash Ritchie-Yates

# 14:45-15:00

Rotation compensation system for MAGIS-100 and measurement of laser pointing jitter

# Speaker

Henry Throssell

15:00

# Wednesday 9 April

11:00

# **Detectors and Instrumentation: 3**

**Session** | **Location:** Seminar East (A0.015E)

# 11:00-11:15

Pixel Detector Development for Future Collider-Based Particle Physics **Experiments** 

#### Speaker

Fuat Ustuner

# 11:15-11:30

Characterisation of Veto Photodetectors for DarkSide-20k: Cryogenic Testing Results

#### Speaker

Sudikshan Ravinthiran

11:30-11:45 Simulations of the Outer Detector for the XLZD Experiment

# Speaker

Sean Hughes

# 11:45-12:00

**BUTTON WbLS Detector development at Boulby underground Lab** 

# Speaker

James Gooding

# 12:00-12:15

Designing new ultra-radiopure, high-strength electroformed Cu-based alloys, for rare event searches

# Speaker

Dimitra Spathara

# 12:15-12:30

**Enhancing Supernova Neutrino Detection in DUNE: Optimizing Pandora Reconstruction and Energy Estimation** 

# Speaker

Matthew James Osbiston

12:30