

Session Program

8-10 Apr 2026



IOP Joint APP and HEPP Annual Conference 2026

Poster Evening

John McIntyre Conference Centre
Pollock Halls, 18 Holyrood Park Rd, Edinburgh EH16 5AY

Wednesday 8 April

18:00

Poster Evening: Posters

Session | **Location:** John McIntyre Conference Centre, Pollock Halls, 18 Holyrood Park Rd, Edinburgh EH16 5AY

18:00–18:01 **Quantum-Limited Instrumentation for Axion Dark Matter Detection**

Speaker

Annora Sundararajan

18:01–18:02 **Spin Dependent Sensitivity Projection for QUEST-DMC**

Speaker

Lizzie Bloomfield

18:02–18:03

From Cavern to Classroom - Outreach at Boulby Underground Laboratory

Speaker

Jonathan Gutteridge

18:03–18:04 **Time calibration of SuperNEMO calorimeter**

Speaker

Penghui Li

18:04–18:05

Spin-dependent dark matter sensitivity within the non-relativistic effective field theory framework

Speaker

Saule Piguleviciute

18:05–18:06

Neutrino-Less Double Beta Decay Searches with the LUX-ZEPLIN Experiment

Speaker

Robyn Evren

18:06–18:07

Production Modelling of the ATLAS ITk Strip Detector Using the ITk Project Production Simulation

Speaker

Fawaz Mutllaq S. Alhawiti

18:07–18:08

Electron and Photon Reconstruction Performance in High Pile-Up Conditions for ATLAS Run-4 Using the Topo-Clustering Algorithm

Speaker

Holly Lea Rose Davies

18:08–18:09

Spin-Independent and Spin-Dependent Dark Matter Scattering in a Many-Body Superfluid ^3He Target

Speaker
Adam Ting

18:09-18:10

Semi-inclusive hadron+jet spectra in central Pb-Pb collisions at $\sqrt{s_{NN}}$ = 5.02 TeV with ALICE using mixed events

Speaker
Nicola Wilson

18:10-18:11

Ultra-Trace Radioassay of U-238 and Th-232 using ICP-MS at Boulby Underground Laboratory

Speaker
Ms Kayleigh Johnson

18:11-18:12

DarkSide-20k Low-Mass Sensitivity and Implications for 5σ Discovery Prospects of Future Detectors

Speaker
Haoxiang Zhan

18:12-18:13

Commissioning of the CMS Phase-2 Tracker Cosmic Test Stand

Speaker
Andrew Mastronikolis

18:13-18:14

MicroBooNE NuMI Muon Neutrino and Muon Antineutrino Charged-Current Separation Using BDT

Speaker
William Wang

18:14-18:15

Germanium Detectors in the Boulby Underground Screening Facility

Speaker
Beth Green

18:15-18:16

CaloTrilogy: One Step, End-to-End Shower Generation for Calorimeter

Speaker
Cheng Jiang

18:16-18:17

The FastRICH ASIC for a time resolved LHCb RICH

Speaker
George Ramsey

18:17-18:18

Underwater Characterisation of a BUTTON Optical Module

Speaker
Deb Sankar Bhattacharya

19:00