

Session Program

25-28 Mar 2018

IoP APP / HEPP Conference 2018

Parallel III

University of Bristol
H. H. Wills Laboratory Tyndall Avenue Bristol BS8 1TL UK

Monday 26 March

11:30

Parallel III: TBC

Session | **Location:** University of Bristol, 3.34

11:30–11:45

Vertex finding for pile-up mitigation in the Phase-2 upgrade of the Level-1 Trigger of CMS

Speaker

Antoni Shtipliyski

11:45–12:00

Gaussian Processes for High Energy Physics

Speaker

Adam Bozson

12:00–12:15

Perspectives for SUSY in light of current LHC constraints

Speaker

Jonathan Costa

12:15–12:30

QED Parton Distribution Functions

Speaker

Ricky Nathvani

12:30–12:45

Positivity Constraints on Self-Interacting Dark Matter

Speakers

Scott Melville, Scott Melville

13:00

14:00

Parallel III: TBC

Session | **Location:** University of Bristol, 3.34

14:00–14:15

Sensor Characterisation and Readout for the LHCb VELO Upgrade

Speaker

Vinicius Franco Lima

14:15–14:30

3D Printing Gaseous Radiation Detectors

Speaker

Samuel Fargher

14:30–14:45

ATLAS inner detector decommissioning: Tolerance study of robotic components for use in high radiation environment

Speaker

Alice Cryer

14:45–15:00

The LHCb VELO Upgrade

Speaker

Dutta Deepanwita

15:00–15:15

Bayesian optimisation of the SHiP muon shield

Speaker

Oliver Lantwin

15:15-15:30

Towards the highest precision detector at the LHC - The LHCb Upgrade VELO and Its Performance

Speaker

Chris Burr

15:45

Tuesday 27 March

11:30

Parallel III: TBC

Session | **Location:** University of Bristol, 3.34

11:30–11:45

Optical Calibration of the Hyper-Kamiokande Detector with Test Data in Super-Kamiokande

Speaker

Lauren Anthony

11:45–12:00

Gadolinium radiopurity assay programme for Super-Kamiokande

Speaker

Matthew Thiesse

12:00–12:15

The Hyper-Kamiokande Outer-Detector : design, performance estimation of background rejection and physics potential

Speaker

Stephane Alexandre Zsoldos

12:15–12:30

Supernova Neutrino Simulations in Hyper-Kamiokande

Speaker

Jost Migenda

12:30–12:45

Innovation and Non-Proliferation - Particle Physics for Nuclear Threat Reduction

Speaker

Elisabeth Kneale

13:00

Wednesday 28 March

11:00

Parallel III

Session | **Location:** University of Bristol, Berry Lecture Theatre (3.21)

11:00–11:15

Commissioning of a Laser Calibration System for SNO+

Speaker

Esther Turner

Location

Berry Theatre (3.21)

11:15–11:30

The physics of SNO+

Speaker

Dr Edward Leming

Location

Berry Theatre (3.21)

11:30–11:45

Cosmic Muon Induced Neutrons in SNO+

Speaker

Billy Liggins

Location

Berry Theatre (3.21)

12:00