

## **Monday 3 April**

15:00

Parallel stream 1: Session 1 Session | Location: Auditorium, ground floor, Bush House | Convener: Matthew Malek 15:00-15:15 Measuring Solar Neutrino Oscillations in the SNO+ Detector Speaker Daniel Cookman 15:15-15:30 The SoLAr Concept: LArTPCs for solar neutrino physics Speaker Dr Anyssa Navrer-Agasson 15:30-15:45 The Future of Supernova Neutrinos **Speaker** Dr Jost Migenda 15:45-16:00 BUTTON: a technology testbed for the future of (anti)neutrino detection Speaker Liz Kneale 16:00-16:15 Remote Reactor Ranging using Neutrino Oscillations Speaker Stephen Wilson 16:15-16:30 Modelling Cosmic Ray Muon Spallation in Super-Kamiokande VI+ Speaker Jack Fannon

16:30

17:00

## Parallel stream 1: Session 2

Session | Location: Auditorium, ground floor, Bush House | Convener: Dr Luke Pickering

17:00-17:15

Exploring the Potential of Machine Learning for Neutrino Identification in the **DUNE Trigger System** 

Speaker

Raul Stein

17:15-17:30

High-Statistics Measurement of Nuclear Dependence in Inclusive Antineutrino Scattering in 1D and 2D with MINERvA

Speaker

Anežka Klustová

17:30-17:45

Timing Resolution of the Data Acquisition in the Short Baseline Near Detector

**Speaker** 

Vu Chi Lan Nguyen

18:45	17:45-18:00	Searching for dark neutrinos using the SBND Cosmic Ray Tagger
	<b>Speaker</b> Jiaoyang Li	
	18:00-18:15	Searching for heavy neutral leptons with the MicroBooNE experiment
	<b>Speaker</b> David Marsden	
	18:15-18:30	MicroBooNE's tests of the MiniBooNE anomalous low-energy excess
	<b>Speaker</b> Pawel Guzowski	
	18:30-18:45	Measuring neutrino magnetic moment in the NOvA near detector
	<b>Speaker</b> Robert Kralik	

## **Wednesday 5 April**

11:30

## Parallel stream 1: Session 3

Session | Location: Auditorium, ground floor, Bush House | Convener: Dr Peter Millington

11:30-11:45

Lepton universality test in VBF topology with tau(had) tau(lep) final states.

Speaker

Diego Baron

11:45-12:00 Higgs boson pair production searches in ATLAS

Speaker

Panagiotis Bellos

12:00-12:15

Measurement of differential cross sections for W boson production and W+/W-production cross-section ratios in association with jets at  $\sqrt{s} = 13$  TeV with the ATLAS detector at the LHC

**Speaker** 

**Eimear Conroy** 

12:15-12:30 Search for QCD Instantons at the LHC

Speaker

Ynyr Harris

12:3013:30

Parallel stream 1: Session 4

Session | Location: Auditorium, ground floor, Bush House | Convener: Andrzej Michal Szelc

13:30-13:45

Bayesian Neutrino Oscillation Analysis for DUNE using the MaCh3Markov Chain Monte Carlo Fitter

Speaker

Liban Warsame

13:45-14:00 Joint Fit Between Atmospheric Neutrinos and Accelerator Neutrinos

Speaker

Zhenxiong Xie

14:00-14:15

Particle Identification and Position Reconstruction with a Machine Learning Technique in the Hyper-Kamiokande Detector

Speaker

Joanna Gao

14:15-14:30

Improving systematic uncertainties in the oscillation analysis with the new NC1  $\!\pi^o$  samples for the T2K experiment

Speaker

Tailin Zhu

14:30-14:45

First measurement of a joint CC0Pi/CC1Pi cross-section with the T2K near detector ND280

Speaker
Yassine Alj Hakim

14:45-15:00 The Super Fine-Grained Detector: Assembly and Gain Calibration

Speaker
Chien Lin

15:00