

Monday 3 April

18:45

Poster session + reception

Session | Location: Terrace, 8th floor, Bush House

18:45-20:45 Developing Pilot Tuneable Microwave Receiver for Axion Detection

Speaker

Ling Hao

18:45-20:45

Using Bayesian Inference to Study Gravitational Wave Signals in Atom Interferometers and Formulate a Network of the MAGIS-100 and AION **Experiments**

Speaker

Yu Zhi

18:45-20:45

An overview of the LZ Outer Detector: Calibration, Monitoring and Performance, and its Contribution to the First Science Run

Speaker

Sam Woodford

18:45-20:45

Finding what you didn't know you were looking for: Machine learning for the detection of anomalies with LUX-ZEPLIN

Speaker

Leah Wolf

18:45-20:45

Characterisation and Calibration of Photosensors for Water Cherenkov Neutrino **Detectors**

Speaker

Stephen Wilson

18:45-20:45 Translating Near to Far Detector for DUNE-PRISM Analysis

Speaker

Alex Wilkinson

18:45-20:45

Measuring the CKM angle \$\qamma\$ using \$B^0 \to D K^+ \pi^-\$ decays at LHCb

Speaker

Aidan Wiederhold

18:45-20:45

Development of Water based Liquid Scintillator (WbLS) for Future Neutrino **Experiments**

Speaker

Adam Tarrant

18:45-20:45 Kaon Cross Section Measurement with NuMI beam at MicroBooNE

Speaker

Natsumi Taniuchi

18:45-20:45

Quantum Technologies for Neutrino Mass - Investigating Trigger Design

Speaker

Daniel Swinnock

18:45-20:45

COSMIC-SWAMP: Smart Water Management using Cosmic Ray Neutrons

Speaker

Patrick Stowell

18:45-20:45

QUEST-DMC: Superfluid Helium-3 Bolometers for a Direct Dark Matter Search

Speaker

Tineke Salmon

18:45-20:45

Assembly and QA/QC of the readout electronics for the DarkSide-20k veto photodetector modules

Speaker

Giovanni Rogers

18:45-20:45 Solar axion searches in LUX-ZEPLIN

Speaker

Harkirat Riyat

18:45-20:45

Investigating the use of the z expansion in the axial form factors for nuclear neutrino scattering

Speaker

Abigail Peake

18:45-20:45 Reactor Antineutrinos at SNO+: Predicting Survival

Speaker

James Page

18:45-20:45

Developing Numerical Simulations of Atom Interferometers for Direct Searches of Ultra-light Dark Matter with the AION project

Speaker

Noam Mouelle

18:45-20:45 Development of Simulations for the BUTTON Testbed

Speaker

Alexander Morgan

18:45-20:45 Commissioning and characterisation of the MIGDAL detector

Speaker

Lex Millins

18:45-20:45 Overview of the near detector analysis strategy with MaCh3

Speaker

Ewan Miller

18:45-20:45

Development of a proton beam delivery system to treat tumours via laser-driven acceleration

Speaker

Josie McGarrigle

18:45-20:45

Development of an Ion-Acoustic Dose-Deposition Mapping System for LhARA

Speaker

Maria Maxouti

18:45-20:45 Searching for Dark Matter in the Sun using DUNE

Speaker

Francisco Martinez Lopez

18:45-20:45 The KM3NeT Project

Speaker

Matthew Malek

18:45-20:45

ARIADNE+: Large Scale Demonstration of Fast Optical Readout for Dual Phase LArTPCs at the CERN Neutrino Platform

Speaker

Adam Lowe

18:45-20:45

Reparameterisations of the PMNS matrix in long-baseline neutrino experiments

Speaker

Andres Lopez Moreno

18:45-20:45 Neutrino Oscillation Global Fit with GAMBIT

Speaker

Chien Lin

18:45-20:45 Q-Pix concept: Kiloton-scale pixelated liquid noble TPCs

Speaker

Shion Kubota

18:45-20:45

Love, Glue and Robots: on the loading of ATLAS ITk Pixel Models on Outer Endcap Half-rings

Speaker

Simon Florian Koch

18:45-20:45

Using the 4-momentum subtraction algorithm tomodel medium response in JEWEL

Speaker

Daniel Jones

18:45-20:45

AION & MAGIS - Long baseline Atom Interferometry for Dark Matter and **Gravitational Waves searches**

Speaker

Kamran Hussain

18:45-20:45 An Automated Bandwidth Division for the LHCb Upgrade Trigger

Speaker

Joshua Horswill

18:45-20:45

One lepton channel measurement of ttZ with Z decaying to neutrinos

Speaker

Zoë Earnshaw

18:45-20:45

Cosmogenic Neutron Multiplicty in SNO+

Speaker

Katharine Dixon

18:45-20:45

The Water Cherenkov Test Experiment and its calibration

Speaker

Alie Craplet

18:45-20:45

The effect of wavelength shifting plates on PMT dark rate in the Hyper-**Kamiokande Outer Detector**

Speaker

George Burton

18:45-20:45

High Energy Neutron-Water Cross Section Measurements at ISIS

Speaker

Nahid Bhuiyan

18:45-20:45

Studying penguins in the jungle

Speaker

Anja Beck

18:45-20:45

The ATLAS jet trigger and Trigger-Level Analysis applications in Run 3 of the LHC

Speaker

Max Amerl

18:45-20:45

Development of the data acquisition system for the Mu2e STM detector

Speaker

Claudia Alvarez Garcia

20:45