

## Session Program

8-10 Apr 2013

**IOP** Institute of Physics **2013** High Energy and  
Astro Particle Physics

**IOP 2013 - HEPP & APP Group Meeting**

***Track 1***

University of Liverpool, Central Teaching Hub

# Tuesday 9 April

08:45

**Track 1**  
**Session** | **Location:** University of Liverpool, Central Teaching Hub | **Convener:** Wahid Bhimji

08:45–08:57  
**Working Towards a Boosted Z to bb Measurement with the ATLAS Detector**  
**Speaker**  
 Luke Lambourne

08:57–09:09 **Ratio Measurement of W/Z + Jets at ATLAS**  
**Speaker**  
 Gregory James Fletcher

09:09–09:21 **Constraining QCD modelling uncertainties in ttbar events at ATLAS**  
**Speaker**  
 Kiran Daniel Joshi

09:21–09:33  
**Search for the standard-model Higgs boson decaying to tau leptons with the CMS detector**  
**Speaker**  
 Andrew Gilbert

09:33–09:45 **Rare Charm Decays at LHCb**  
**Speaker**  
 Edward Thomas Greening

09:45–09:57 **Search for  $B^0_{(s)} \rightarrow J/\psi K_S^0 h^+ h^{\prime-}$**   
**Speaker**  
 Matthew Michael Reid

10:00

13:30

**Track 1**  
**Session** | **Location:** University of Liverpool, Central Teaching Hub | **Convener:** Jeff Hartnell

13:30–13:42 **Electroweak Gauge Boson and Associated Jet Production at LHCb**  
**Speaker**  
 William James Barter

13:42–13:54 **An Amplitude Analysis of  $D^0 \rightarrow 4\pi$  at CLEO-C**  
**Speaker**  
 Jack Benton

13:54–14:06 **Measurement of  $\Delta m_s$  and  $\Delta m_d$**   
**Speaker**  
 Thomas Michael Bird

14:06-14:18

**Search for Majorana neutrino production in same-sign dimuon final states with the ATLAS detector at 7 TeV****Speaker**

Joel Alexander Klinger

14:18-14:30

**Status of SUSY after LHC Run I****Speaker**

Andrew Fowlie

14:30-14:42

**Optical Calibration of SNO+****Speaker**

James Sinclair

14:42-14:54

**Measurement of neutrino induced neutral current single  $\pi^0$  production in the near detector of the T2K experiment.****Speaker**

Helen O'Keefe

14:54-15:06

**An expanded CCQE cross-section analysis at ND280****Speaker**

Terry Duboyski

15:06-15:18

**Perturbative Non-Equilibrium Thermal Field Theory****Speaker**

Peter Millington

15:30

# Wednesday 10 April

08:45

## Track 1

**Session** | **Location:** University of Liverpool, Central Teaching Hub | **Convener:** Richard White

08:45–08:57

### **Future prospects for measuring the extragalactic background light and probing for axion signatures**

**Speaker**

Mr Jonathan Harris

08:57–09:09

### **Measuring the photon yield in the RICH subdetectors at LHCb**

**Speaker**

Indrek Sepp

09:09–09:21

### **Development of a Reliable Target Mechanism for the Muon Ionisation Cooling Experiment**

**Speaker**

Edward Overton

09:21–09:33

### **SCT ATLAS Upgrade**

**Speaker**

Samer Al-Kilani

09:33–09:45

### **R&D efforts for the next generation of very large scale Liquid Argon detectors for Neutrinos and Dark Matter.**

**Speaker**

Roxanne Guenette

09:45