

Session Program

8-10 Apr 2013

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

IOP 2013 - HEPP & APP Group Meeting

Track 2

University of Liverpool, Central Teaching Hub

Tuesday 9 April

08:45

Track 2
Session | **Location:** University of Liverpool, Central Teaching Hub | **Convener:** Tracey Berry

08:45–08:57 **Boosted Hadronically Decaying W/Z bosons in ATLAS**
Speaker
 Rebecca Chislett

08:57–09:09 **Top Quark Physics at Hadron Colliders**
Speaker
 Rhorry Gauld

09:09–09:21 **Measurement of MET, HT and other global distributions in top pair events**
Speaker
 Sergey Senkin

09:21–09:33 **Higgs to $b\bar{b}$ at ATLAS, and the estimation of theoretical systematic uncertainties**
Speaker
 Ben Harry Smart

09:33–09:45 **Measuring charm mixing parameters using a model-independent technique in $D_0 \rightarrow K S_h h$**
Speaker
 Tomas Pilar

09:45–09:57 **Measurement of CP observables in $B_0 \rightarrow D K^* 0$**
Speaker
 Edmund Smith

10:00

13:30

Track 2
Session | **Location:** University of Liverpool, Central Teaching Hub | **Convener:** Eduardo Rodrigues Figueiredo

13:30–13:42 **Double Jpsi Production at LHCb**
Speaker
 Andrew David Cook

13:42–13:54 **Time-Integrated Analysis of $B_0 \rightarrow \phi K^*$ at LHCb**
Speaker
 Dean Michael Lambert

13:54–14:06 **SUSY searches in multi-lepton final states at ATLAS**
Speaker
 Stewart Martin-Haugh

14:06-14:18 Search for $t\bar{t}$ resonances in ATLAS**Speaker**

Danilo Enoque Ferreira De Lima

14:18-14:30**Search for heavy resonances decaying to long-lived neutral particles in the displaced lepton channel with the CMS detector****Speaker**

Emyr John Clement

14:30-14:42**Muon anti-neutrino inclusive charged-current interactions in the T2K near detector****Speaker**

Callum Lister

14:42-14:54**Leptonic topologies for the study of neutral current single π^0 events in the T2K near detector****Speaker**

Mr Zachary Williamson

14:54-15:06**The resummation of the low-phistar domain of Z production****Speaker**

Lee Tomlinson

15:06-15:18**Extreme Galactic particle accelerators - the case of HESS J1640-465****Speaker**

Dr Stefan Ohm

15:30

Wednesday 10 April

08:45

Track 2

Session | **Location:** University of Liverpool, Central Teaching Hub | **Convener:** Dr Jonas Rademacker

08:45–08:57 **Liquid Scintillator Time Projection Chamber**

Speaker

Ms Nicola McConkey

08:57–09:09 **CASCADE - RF cavity experiment to search for hidden sector photons**

Speaker

Dr Matti Kalliokoski

09:09–09:21

Charged-current $1\pi^0$ analysis with the ND280 detector of the T2K experiment.

Speaker

Matthew Lawe

09:21–09:33

Impact of transverse coupling on the ATLAS luminosity calibration in the gaussian-beam limit

Speaker

Lee Tomlinson

09:33–09:45 **Top Quark Search at LHCb**

Speaker

Henry Brown

09:45