

## **Session Program**

**4-11 Jul 2012**



## **ICHEP2012**

### ***Room 216 - Top Quark Physics / Particle Astrophysics & Cosmology - TR4 & TR11***

Melbourne Convention and Exhibition Centre  
Melbourne Australia

## Friday 6 July

09:00

### Room 216 - Top Quark Physics / Particle Astrophysics & Cosmology - TR4 & TR11

**Session** | **Location:** Melbourne Convention and Exhibition Centre, Room 216, Melbourne Australia

09:00–09:15 **Charge asymmetry in top pairs at ATLAS**

**Speaker**

Dr Mario Giordani

09:15–09:30

**Measurement of the charge asymmetry in top quark pair production in pp collisions (CMS)**

**Speaker**

Dr Thorsten Chwalek

09:30–09:45

**Asymmetry measurements in t-tbar at CDF**

**Speaker**

Dr Chris Hays

09:45–10:00

**Measurement of the forward-backward charge asymmetry in top quark pair production (D0)**

**Speaker**

Dr Alexander Josef Grohsjean

10:00–10:17

**Top quark forward-backward asymmetry from gauged flavor symmetry**

**Speaker**

Prof. Kaladi S. Babu

10:17–11:00

**Refreshment Break**

11:00–11:15

**Diagnosing top-quark Forward-Backward Asymmetry**

**Speaker**

Dr Sudhir Kumar Gupta

11:15–11:30

**Searches in s-channel single top quark production at ATLAS**

**Speaker**

Dr Barbara Alvarez Gonzalez

11:30–11:45

**FCNC in top quark production and decay at ATLAS**

**Speaker**

Dr Markus Cristinziani

11:45–12:00

**Search for FCNC in top pair events in pp collisions (CMS)**

**Speaker**

Dr Yuan Chao

**12:00-12:15 CP violation in top-quark physics****Speaker**

Prof. German Valencia

12:15-12:32

**Search for a Narrow  $t\bar{t}$  Resonance in  $p\bar{p}$  Collisions at  $\sqrt{s} = 1.96$  TeV (Combined D0, CDF)****Speaker**

Dr Azeddine Kasmi

**12:32-14:00 Lunch Break**

14:00-14:15

**Measurement of the top pair invariant mass distribution and search for New Physics (CMS)****Speaker**

Prof. Freya Blekman

**14:15-14:30 Searches for  $t\bar{t}$  resonances (ATLAS)****Speaker**

Dr Marcel Vos

**14:30-14:45  $Z'$  signals in polarised top-antitop final states****Speaker**

Mr Ken Mimasu

14:45-15:00

**A charged  $Z'$  to explain the apparent disagreement in top-antitop asymmetries between Tevatron and LHC****Speaker**

Ms Estefania Coluccio Leskow

15:00-15:15

**Top Decays with Flavor Changing Neutral Higgs Interactions at the LHC****Speaker**

Prof. Chung Kao

15:15-15:30

**Search for anomalous  $Wtb$  couplings in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV (D0)****Speaker**

Prof. Kenneth Bloom

**15:30-16:00 Refreshment Break****16:00-16:15 The Dark Energy Survey: status and science prospects****Speaker**

Dr Marcelle Soares-Santos

16:15-16:30

**Cosmological neutrino mass constraint from the WiggleZ Dark Energy Survey****Speaker**

Dr Signe Riemer-Sorensen

16:30-16:45

**Probing Flavor Transition Mechanisms with High Energy Astrophysical Neutrinos****Speaker**

Prof. Kwang-Chang Lai

16:45-17:00

**Latest Results on Searches for Dark Matter from IceCube****Speaker**

Mr Matthias Danninger

17:00-17:15

**Dark matter searches with the ANTARES neutrino telescope: constraints to CMSSM and mUED models****Speaker**

Dr Juan de Dios Zornoza Gomez

17:15-17:30

**The status of KIMS experiment****Speaker**

Prof. Yeongduk Kim

17:30-17:45

**Direct Search for Dark Matter with the LUX Experiment****Speaker**

Dr Karen Gibson

17:45-18:00

**Prospects of direct dark matter detection with DarkSide experiment****Speaker**

Dr Jelena Maricic

18:00