

## **Session Program**

**4-11 Jul 2012**



## **ICHEP2012**

### ***Room 219 - Beyond the Standard Model SUSY / Non-SUSY - TR2&3***

Melbourne Convention and Exhibition Centre  
Melbourne Australia

## Friday 6 July

09:00

### Room 219 - Beyond the Standard Model SUSY / Non-SUSY - TR2&3

**Session** | **Location:** Melbourne Convention and Exhibition Centre, Room 219, Melbourne Australia

#### 09:00–09:15 Natural Supersymmetry

**Speaker**

Prof. Xerxes Tata

#### 09:15–09:30 GUT-less mSUGRA

**Speaker**

Ms Pearl Sandick

#### 09:30–09:45 Higgs boson mass in GMSB with messenger-matter mixing

**Speaker**

Prof. Kaladi S. Babu

#### 09:45–10:00 Implications of a SM like Higgs for a natural NMSSM with low cutoff

**Speaker**

Dr Michael Schmidt

#### 10:00–10:15 SUSY Without Prejudice at LHC-7 & -8

**Speaker**

Dr Thomas Rizzo

#### 10:15–10:30 A 125 GeV Higgs in the PQ violating minimal Supergravity model

**Speaker**

Dr Sudhir Kumar Gupta

#### 10:30–11:00 Refreshment Break

#### 11:00–11:15 Flavour violating squark and gluino decays at LHC

**Speaker**

Prof. Keisho Hidaka

#### 11:15–11:30 Illuminating the 130 GeV Gamma Line with Continuum Photons

**Speaker**

Prof. Jacob Wacker

#### 11:30–11:45 Searches for long-lived particles with the ATLAS detector

**Speaker**

Dr Andrew Haas

#### 11:45–12:00 Search for Charged Massive Long-Lived Particles

**Speaker**

Prof. Yuri Gershtein

#### 12:00–12:15 Search for new massive stable particles at CMS

**Speaker**

Dr Fedor Ratnikov

12:15–12:30

**Search for new physics with displaced leptons, jets, and photon at CMS****Speaker**

Prof. Valerie Halyo

12:30–12:50

**A Seiberg Dual for the MSSM: Partially Composite W and Z****Speaker**

Prof. Yuri Shirman

12:50–14:00

**Lunch Break**

14:00–14:15

**Searches for vector-like quarks with the ATLAS detector****Speaker**

Mr Merlin Davies

14:15–14:30

**4th generation searches at ATLAS****Speaker**

Dr Lorenzo Feligioni

14:30–14:45

**Search for 4th generation quarks****Speaker**

Dr Sadia Khalil

14:45–15:00

**Bootstrap Dynamical Symmetry Breaking with New Heavy Chiral Quarks****Speaker**

Prof. George Wei-Shu Hou

15:00–15:15

**Searches for New Physics with CDF Detector****Speakers**

Mr Adam Aurisano, Adam Aurisano, Adam Jude Aurisano

15:15–15:30

**LHC Signatures Inspired by Yukawa-bound Mesons: Double Resonant WW+jet****Speaker**

Dr Hiroshi Yokoya

15:30–16:00

**Refreshment Break**

16:00–16:15

**Up-to-date results and upgrade plans of the MEG experiment****Speaker**

Dr Hajime Nishiguchi

16:15–16:30

**Search for  $\tau \rightarrow \mu/e, \gamma$  with the full data sample of Belle****Speaker**

Prof. Kiyoshi Hayasaka

16:30-16:45

**Implications of  $\text{Br}(\mu \rightarrow e \gamma)$  and  $\Delta a_\mu$  on Muonic Lepton Flavor Violating Processes****Speaker**

Prof. Chun-Khiang Chua

16:45-17:00

**An Explicit  $\text{SU}(12)$  Family and Flavor Unification Model****Speaker**

Prof. Carl Albright

17:00-17:15

**Search for Lepton Flavour Violation at HERA****Speaker**

Dr David South

17:15-17:30

**The role of SuperB in unraveling the nature of physics beyond the SM****Speaker**

Prof. David Hitlin

17:30-17:45

**Production of the exotic  $1^{--}$  hadrons  $\phi(2170)$ ,  $X(4260)$  and  $Y_b(10890)$  at the LHC and Tevatron via the Drell-Yan mechanism****Speaker**

Prof. Ahmed Ali

17:45-18:00

**Searches for new Physics in multileptons or like-sign leptons with the ATLAS detector****Speaker**

Dr Else Lytken

18:00