

# **TeV Scale Physics and Dark Matter**

## **Report of Contributions**

Contribution ID: **250**

Type: **not specified**

## **Coffee break**

*Tuesday, June 3, 2008 10:10 AM (20 minutes)*

Ideas over coffee

Contribution ID: 251

Type: **not specified**

## Spontaneous R-parity and CP violation

**Primary author:** Mr RUPPELL, Timo

**Presenter:** RUPPELL, Timo (HIP)

Contribution ID: 252

Type: **not specified**

## **Randall-Sundrum model in more than 5 dimensions**

*Thursday, June 5, 2008 2:00 PM (30 minutes)*

**Primary author:** Prof. CHOUDHURY, Debajyoti (University of Delhi)

**Presenter:** Prof. CHOUDHURY, Debajyoti (Delhi University)

Contribution ID: 253

Type: **not specified**

## The flavour problem

*Friday, June 6, 2008 10:15 AM (30 minutes)*

**Primary author:** Prof. ROMANINO, Andrea (SISSA)

**Presenter:** Prof. ROMANINO, Andrea (SISSA)

Contribution ID: 255

Type: **not specified**

## Spin 1 top partner

*Thursday, June 5, 2008 5:00 PM (1 hour)*

**Primary author:** Prof. ROMANINO, Andrea (SISSA/ISAS)

**Presenter:** Prof. ROMANINO, Andrea (SISSA/ISAS)

Contribution ID: 256

Type: **not specified**

## **Spontaneous R-parity and CP violation**

Contribution ID: 257

Type: **not specified**

## **Spontaneous R-parity and CP violation**

Contribution ID: 258

Type: **not specified**

## Spontaneous R-parity and CP violation

*Wednesday, June 4, 2008 2:00 PM (20 minutes)*

**Primary author:** Mr RUPPELL, Timo (Helsinki Institute of Physics)

**Presenter:** Mr RUPPELL, Timo (Helsinki Institute of Physics)

Contribution ID: 259

Type: **not specified**

## Mass determination in SUSY

*Monday, June 16, 2008 10:15 AM (30 minutes)*

**Primary author:** BARR, Alan (Oxford)

**Presenter:** BARR, Alan (Oxford)

Contribution ID: **260**

Type: **not specified**

## **QCD matrix-element/parton-shower matching**

*Wednesday, June 18, 2008 2:00 PM (30 minutes)*

**Primary author:** SKANDS, Peter (CERN)

**Presenter:** SKANDS, Peter (CERN)

Contribution ID: 261

Type: **not specified**

## **How to distinguish SUSY from other SM extensions at the LHC**

*Thursday, June 19, 2008 10:15 AM (30 minutes)*

**Primary author:** Prof. POROD, Werner (Universitat Wurzburg)

**Presenter:** Prof. POROD, Werner (Universitat Wurzburg)

Contribution ID: 262

Type: **not specified**

## Dark matter in the sky

*Tuesday, June 17, 2008 2:00 PM (30 minutes)*

**Primary author:** Dr EDSJÖ, Joakim (Fysikum)

**Presenter:** Dr EDSJÖ, Joakim (Fysikum)

Contribution ID: 263

Type: **not specified**

## **Determining the WIMP mass from direct detection experiments**

*Tuesday, June 17, 2008 10:15 AM (30 minutes)*

**Primary author:** Dr GREEN, Anne (University of Nottingham)

**Presenter:** Dr GREEN, Anne (University of Nottingham)

Contribution ID: 264

Type: **not specified**

## **Higgs-dependent leptogenesis**

*Monday, June 23, 2008 2:00 PM (30 minutes)*

**Primary author:** Dr RAIDAL, Martti (National Institute of Chemical Physics and Biophysics)

**Presenter:** Dr RAIDAL, Martti (National Institute of Chemical Physics and Biophysics)

Contribution ID: 265

Type: **not specified**

## String extensions of the Standard Model

*Friday, June 27, 2008 10:15 AM (30 minutes)*

**Primary author:** DI VECCHIA, Paolo (Nordita)

**Presenter:** DI VECCHIA, Paolo (Nordita)

Contribution ID: 266

Type: **not specified**

## **SUSY searches at future collider and DM expts**

*Wednesday, June 25, 2008 10:15 AM (30 minutes)*

**Primary author:** Prof. ROY, Durga Prasad (Homi Bhabha Centre, Tata Inst. of Fundamental Research)

**Presenter:** Prof. ROY, Durga Prasad (Homi Bhabha Centre, Tata Inst. of Fundamental Research)

Contribution ID: 267

Type: **not specified**

## Higgs at LHC

*Wednesday, June 25, 2008 2:00 PM (30 minutes)*

**Primary author:** Dr MILLER, David (University of Glasgow)

**Presenter:** Dr MILLER, David (University of Glasgow)

Contribution ID: 268

Type: **not specified**

## **Fine-tuning in SUSY dark matter**

**Primary author:** ROMANINO, Andrea (SISSA)

**Presenter:** ROMANINO, Andrea (SISSA)

Contribution ID: 269

Type: **not specified**

## **Dark matter and relic density in the models of non-universal gaugino masses**

*Thursday, June 26, 2008 10:15 AM (30 minutes)*

**Primary author:** Dr LAAMANEN, Jari (Technische Universität Dortmund)

**Presenter:** Dr LAAMANEN, Jari (Technische Universität Dortmund)

Contribution ID: 270

Type: **not specified**

## **Lepton family symmetry $O(2)$ and a light pseudoscalar**

*Tuesday, June 24, 2008 2:00 PM (30 minutes)*

**Primary author:** Prof. LAVOURA, Luis (Technical University of Lisbon)

**Presenter:** Prof. LAVOURA, Luis (Technical University of Lisbon)

Contribution ID: 271

Type: **not specified**

## More about Unparticles

*Tuesday, June 24, 2008 10:15 AM (30 minutes)*

**Primary author:** Prof. GRZADKOWSKI, Bohdan (University of Warsaw)

**Presenter:** Prof. GRZADKOWSKI, Bohdan (University of Warsaw)

Contribution ID: 272

Type: **not specified**

## **Dark Matter and Lepton Flavour Violation in R-violating supersymmetry**

*Monday, June 23, 2008 10:15 AM (30 minutes)*

**Primary author:** Prof. LOLA, Smaragda (Dept.of Physics, University of Patras)

**Presenter:** Prof. LOLA, Smaragda (Dept.of Physics, University of Patras)

Contribution ID: 273

Type: **not specified**

# Hard Multijet predictions using High Energy Factorisation

*Tuesday, July 1, 2008 10:15 AM (30 minutes)*

**Primary author:** Dr ANDERSEN, Jeppe (CERN)

**Presenter:** Dr ANDERSEN, Jeppe (CERN)

Contribution ID: 274

Type: **not specified**

## **Jet-jet jets etc.**

*Tuesday, July 1, 2008 2:00 PM (30 minutes)*

**Primary author:** Dr RAKLEV, Are (University of Cambridge)

**Presenter:** Dr RAKLEV, Are (University of Cambridge)

Contribution ID: 275

Type: **not specified**

## **Neutralino Dark Matter in the U(1)-extended MSSM**

*Thursday, July 3, 2008 10:15 AM (30 minutes)*

**Primary author:** Prof. KALINOWSKI, Jan (University of Warsaw)

**Presenter:** Prof. KALINOWSKI, Jan (University of Warsaw)

Contribution ID: 276

Type: **not specified**

## **Leptogenesis or leptonic masses and mixing at low energies**

*Wednesday, July 2, 2008 10:15 AM (30 minutes)*

**Primary author:** Dr REBELO, Margarida Nesbitt (Dept de Fisica, Instituto Superior Tecnico)

**Presenter:** Dr REBELO, Margarida Nesbitt (Dept de Fisica, Instituto Superior Tecnico)

Contribution ID: 277

Type: **not specified**

## **Symmetry and Mass Degeneration in Multi-Higgs-Doublet Models**

*Friday, July 4, 2008 10:15 AM (30 minutes)*

**Primary author:** Prof. OLAUSSEN, Kåre (Institutt for fysikk, NTNU, Trondheim)

**Presenter:** Prof. OLAUSSEN, Kåre (Institutt for fysikk, NTNU, Trondheim)

Contribution ID: 278

Type: **not specified**

## **Higgs at LHC (encore)**

*Thursday, June 26, 2008 2:00 PM (30 minutes)*

Contribution ID: 279

Type: **not specified**

## **String extensions of the Standard Model, cont**

*Friday, June 27, 2008 2:00 PM (30 minutes)*

Contribution ID: **280**

Type: **not specified**

## **Extending the Higgs funnel region for SUSY dark matter via non-universal scalar masses**

*Monday, July 7, 2008 10:15 AM (30 minutes)*

**Primary author:** Prof. CHATTOPADHYAY, Utpal (Indian Association for the Cultivation of Science)

**Presenter:** Prof. CHATTOPADHYAY, Utpal

Contribution ID: **281**

Type: **not specified**

## **SUSY at the LHC with sneutrino LSP's**

*Tuesday, July 8, 2008 10:15 AM (30 minutes)*

**Primary author:** Prof. MUKHOPADHYAYA, Biswarup (Harish-Chandra Research Institute)

**Presenter:** Prof. MUKHOPADHYAYA

Contribution ID: **282**

Type: **not specified**

## **Supernova neutrinos**

*Wednesday, July 9, 2008 10:15 AM (30 minutes)*

**Primary author:** SKADHAUGE, Solveig (Nordita)

**Presenter:** SKADHAUGE, Solveig (Nordita)

Contribution ID: 283

Type: **not specified**

## **Sneutrino mass determination**

*Wednesday, July 9, 2008 2:00 PM (30 minutes)*

**Primary author:** Dr ROLBIECKI, Krzysztof (University of Warsaw)

**Presenter:** Dr ROLBIECKI, Krzysztof (University of Warsaw)

Contribution ID: **284**

Type: **not specified**

## Charged Relics

*Friday, July 11, 2008 10:15 AM (30 minutes)*

**Primary author:** Dr COVI, Laura (DESY)

**Presenter:** Dr COVI, Laura (DESY)

Contribution ID: 285

Type: **not specified**

## **Exotic Implications of Electron and Photon Final States**

*Tuesday, July 15, 2008 10:15 AM (30 minutes)*

Comments on arXiv:0807.1746 by Lisa Randall and Mark Wise

**Primary author:** Dr RAI, Santosh (Helsinki Institute of Physics)

**Presenter:** Dr RAI, Santosh (Helsinki Institute of Physics)

Contribution ID: **286**

Type: **not specified**

## **Trilinear couplings in the 2HDM**

*Tuesday, July 15, 2008 2:00 PM (45 minutes)*

**Primary author:** Prof. OSLAND, Per (University of Bergen)

**Presenter:** Prof. OSLAND, Per (University of Bergen)

Contribution ID: **287**

Type: **not specified**

## **Multiple Point Principle**

*Wednesday, July 16, 2008 10:15 AM (20 minutes)*

**Primary author:** Prof. CHOUDHURY, Debajyoti (University of Delhi)

**Presenter:** Prof. CHOUDHURY, Debajyoti (University of Delhi)

Contribution ID: **288**

Type: **not specified**

## **Gravitino Dark Matter**

*Thursday, July 17, 2008 10:15 AM (30 minutes)*

**Primary author:** Dr COVI, Laura (DESY)

**Presenter:** Dr COVI, Laura (DESY)

Contribution ID: **289**

Type: **not specified**

## **Charged Higgses in 2HDM and beyond**

*Friday, July 18, 2008 10:15 AM (30 minutes)*

**Primary author:** Prof. MORETTI, Stefano (NExT Institute (Southampton/RAL))

**Presenter:** Prof. MORETTI, Stefano (NExT Institute (Southampton/RAL))

Contribution ID: 290

Type: **not specified**

## Indirect SUSY constraints

*Thursday, July 17, 2008 2:00 PM (30 minutes)*

**Primary author:** Dr MAHMOUDI, Nazila (Uppsala University)

**Presenter:** Dr MAHMOUDI, Nazila

Contribution ID: 291

Type: **not specified**

## Neutrino masses and TeV seesaw mechanism

*Tuesday, July 22, 2008 10:15 AM (30 minutes)*

**Primary author:** Dr ROY, Sourov (Indian Association for the Cultivation of Science)

**Presenter:** Dr ROY, Sourov (Indian Association for the Cultivation of Science)

Contribution ID: 292

Type: **not specified**

## Inelastic Dark Matter

*Friday, July 25, 2008 10:15 AM (20 minutes)*

**Primary author:** Dr COVI, Laura (DESY)

**Presenter:** Dr COVI, Laura (DESY)

Contribution ID: 293

Type: **not specified**

## **Delta rho in multi-Higgs-doublet models**

*Thursday, July 24, 2008 2:00 PM (20 minutes)*

**Primary author:** Prof. OSLAND, Per (University of Bergen)

**Presenter:** Prof. OSLAND, Per (University of Bergen)

Contribution ID: 294

Type: **not specified**

# Dark matter, dark energy, and cosmological scalar fields

*Friday, July 25, 2008 2:00 PM (20 minutes)*

**Primary author:** Dr ARBEY, Alexandre (Lyon University)

**Presenter:** Dr ARBEY, Alexandre (Lyon University)

Contribution ID: 295

Type: **not specified**

## 'Photon-axion mixing in a Randall-Sundrum model

*Monday, July 28, 2008 10:15 AM (20 minutes)*

**Primary author:** Dr ROY, Sourov (Indian Association for the Cultivation of Science)

**Presenter:** Dr ROY, Sourov (Indian Association for the Cultivation of Science)

Contribution ID: 296

Type: **not specified**

## **Theta vacuum in QCD and the strong CP problem**

*Tuesday, July 29, 2008 10:15 AM (30 minutes)*

**Primary author:** DI VECCHIA, Paolo (Nordita)

**Presenter:** DI VECCHIA, Paolo (Nordita)