

# **Workshop on Searches for Supersymmetry at the LHC**

## **Report of Contributions**

Contribution ID: **10**

Type: **not specified**

## **Status of CMS and Recent Highlights**

*Wednesday, 19 October 2011 09:50 (30 minutes)*

**Presenter:** KLUTE, Markus (Massachusetts Institute of Technology)

**Session Classification:** Introduction and Standard Model Backgrounds

Contribution ID: 11

Type: **not specified**

## **Supersymmetry: then and now**

*Wednesday, 19 October 2011 09:10 (30 minutes)*

**Presenter:** ZUMINO, Bruno (UC Berkeley)

**Session Classification:** Introduction and Standard Model Backgrounds

Contribution ID: 12

Type: **not specified**

## **NLO Theory for SUSY Searches**

*Wednesday, 19 October 2011 11:40 (30 minutes)*

**Presenter:** BERN, Zvi (UCLA)

**Session Classification:** Introduction and Standard Model Backgrounds

Contribution ID: 13

Type: **not specified**

## Status of ATLAS and Recent Highlights

*Wednesday, 19 October 2011 11:00 (30 minutes)*

**Presenter:** HOECKER, Andreas (CERN)

**Session Classification:** Introduction and Standard Model Backgrounds

Contribution ID: 14

Type: **not specified**

## **Searches for Jets + missing Et with no leptons at CMS**

*Wednesday, 19 October 2011 14:20 (15 minutes)*

**Presenter:** LUNGU, Gheorghe (Rockefeller University (US))

**Session Classification:** "Classic" MSSM-type SUSY Searches

Contribution ID: 15

Type: **not specified**

## **Searches for Jets + missing Et with no leptons at ATLAS**

*Wednesday, 19 October 2011 14:00 (15 minutes)*

**Presenter:** SANDOVAL CHIMAL, Tanya (High Energy Physics Group-Cavendish Laboratory-University of Ca)

**Session Classification:** "Classic" MSSM-type SUSY Searches

Contribution ID: 16

Type: **not specified**

## Searches for multi-lepton Production in ATLAS

*Wednesday, 19 October 2011 16:30 (15 minutes)*

**Presenter:** PAJCHEL, Katarzyna (University of Oslo (NO))

**Session Classification:** "Classic" MSSM-type SUSY Searches



Contribution ID: 17

Type: **not specified**

## **Searches for Jets + missing Et with leptons at CMS**

*Wednesday, 19 October 2011 14:40 (15 minutes)*

**Presenter:** ANDREWS, Warren (Department of Physics-Univ. of California San Diego (UCSD))

**Session Classification:** "Classic" MSSM-type SUSY Searches

Contribution ID: **18**

Type: **not specified**

## **Searches for Jets + missing Et with leptons at ATLAS**

*Wednesday, 19 October 2011 16:10 (15 minutes)*

**Presenter:** MULLER, Timo (Johannes-Gutenberg-Universitaet Mainz (DE))

**Session Classification:** "Classic" MSSM-type SUSY Searches

Contribution ID: 19

Type: **not specified**

## Searches for multi-lepton Production in CMS

*Wednesday, 19 October 2011 16:50 (15 minutes)*

**Presenter:** Dr RATNIKOV, Fedor (KIT - Karlsruhe Institute of Technology (DE))

**Session Classification:** "Classic" MSSM-type SUSY Searches

Contribution ID: 21

Type: **not specified**

## **Searches for the Third Generation: SUSY with b-jets in ATLAS**

*Thursday, 20 October 2011 09:20 (15 minutes)*

**Presenter:** D'ONOFRIO, Monica (University of Liverpool)

**Session Classification:** SUSY with b-jets, photons and taus

Contribution ID: 23

Type: **not specified**

## Gauge Mediation

*Thursday, 20 October 2011 10:50 (30 minutes)*

**Presenter:** SHIH, David (Rutgers University)

**Session Classification:** SUSY with b-jets, photons and taus

Contribution ID: **30**

Type: **not specified**

## **Logistical Information**

*Wednesday, 19 October 2011 09:05 (5 minutes)*

**Presenter:** JEAN-FRANCOIS, DAVID, CHRISTIAN, ZOLTAN, MICHELE AND BEATE

**Session Classification:** Introduction and Standard Model Backgrounds

Contribution ID: 33

Type: **not specified**

## Welcome to Berkeley!

*Wednesday, 19 October 2011 09:00 (5 minutes)*

**Presenter:** NYGREN, Dave

**Session Classification:** Introduction and Standard Model Backgrounds

Contribution ID: 35

Type: **not specified**

## **SUSY Searches with b-jets in CMS**

*Thursday, 20 October 2011 09:00 (15 minutes)*

**Presenter:** THOMPSON, Joshua (Cornell University (US))

**Session Classification:** SUSY with b-jets, photons and taus



Contribution ID: 36

Type: **not specified**

## **SUSY searches with Photons in ATLAS**

*Thursday, 20 October 2011 09:40 (15 minutes)*

**Presenter:** DAMIANI, Daniel Scott (Santa Cruz Inst. for Particle Phys. (SCIPP)-University of Calif)

**Session Classification:** SUSY with b-jets, photons and taus

Contribution ID: 37

Type: **not specified**

## **SUSY searches with Photons at CMS**

*Thursday, 20 October 2011 10:00 (15 minutes)*

**Presenter:** GEBBERT, Ulla (Hamburg University (DE))

**Session Classification:** SUSY with b-jets, photons and taus

Contribution ID: **38**

Type: **not specified**

## **SUSY searches with tau-leptons at ATLAS**

Contribution ID: 39

Type: **not specified**

## **SUSY searches with tau-leptons at CMS**

*Thursday, 20 October 2011 11:30 (15 minutes)*

**Presenter:** CHERTOK, Maxwell (University of California Davis (US))

**Session Classification:** SUSY with b-jets, photons and taus

Contribution ID: 40

Type: **not specified**

## Experimentally Testing SUSY Naturalness

*Thursday, 20 October 2011 15:50 (30 minutes)*

**Presenter:** LUTY, Markus (UC Davis)

**Session Classification:** Longlived, displaced and other odd Signatures in SUSY

Contribution ID: 41

Type: **not specified**

## **Stopped Gluino and Longlived Charged Sparticle Searches in CMS**

*Thursday, 20 October 2011 14:00 (15 minutes)*

**Presenter:** TEMPLE, Jeff (University of Maryland (US))

**Session Classification:** Longlived, displaced and other odd Signatures in SUSY

Contribution ID: 42

Type: **not specified**

## **Stopped Gluino and Longlived Charged Sparticle Searches in ATLAS**

*Thursday, 20 October 2011 14:20 (15 minutes)*

**Presenter:** BARLOW, Nick (University of Cambridge (GB))

**Session Classification:** Longlived, displaced and other odd Signatures in SUSY

Contribution ID: 43

Type: **not specified**

## **SUSY Searches with Displaced Vertices in ATLAS**

*Thursday, 20 October 2011 14:40 (15 minutes)*

**Presenter:** AZUMA, Yuya (Department of Physics-Graduate School of Science-University of)

**Session Classification:** Longlived, displaced and other odd Signatures in SUSY



Contribution ID: 44

Type: **not specified**

## **SUSY Searches with Displaced Vertices in CMS**

*Thursday, 20 October 2011 15:00 (15 minutes)*

**Presenter:** LIU, Hongliang (U.C. Riverside)

**Session Classification:** Longlived, displaced and other odd Signatures in SUSY

Contribution ID: 45

Type: **not specified**

## **ATLAS Searches for R-Parity violating SUSY**

*Thursday, 20 October 2011 16:30 (15 minutes)*

**Presenter:** Dr MITSOU, Vasiliki (Consejo Superior de Investigaciones Cientificas (CSIC)-Universi)

**Session Classification:** Longlived, displaced and other odd Signatures in SUSY

Contribution ID: 46

Type: **not specified**

## **CMS searches for R-parity violating SUSY**

*Thursday, 20 October 2011 16:50 (15 minutes)*

**Presenter:** GRAY, Richard Carl (Rutgers, State Univ. of New Jersey (US))

**Session Classification:** Longlived, displaced and other odd Signatures in SUSY

Contribution ID: 47

Type: **not specified**

## **Standard Model Higgs Boson Searches from CMS**

*Friday, 21 October 2011 09:00 (30 minutes)*

**Presenter:** BRUN, Hugues Louis (Universite Claude Bernard-Lyon I (FR))

**Session Classification:** Higgs Boson Searches

Contribution ID: 48

Type: **not specified**

## Standard Model Higgs Boson Search in ATLAS

*Friday, 21 October 2011 09:40 (30 minutes)*

**Presenter:** QUAYLE, William (Department of Physics-University of Wisconsin)

**Session Classification:** Higgs Boson Searches

Contribution ID: 49

Type: **not specified**

## Theoretical Aspects of Higgs Physics

*Friday, 21 October 2011 10:50 (30 minutes)*

**Presenter:** HABER, Howard (UC Santa Cruz)

**Session Classification:** Higgs Boson Searches

Contribution ID: 50

Type: **not specified**

## **Beyond the SM Higgs Searches in ATLAS**

*Friday, 21 October 2011 11:30 (20 minutes)*

**Presenter:** SKINNARI, Louise (Department of Physics-University of California Berkeley)

**Session Classification:** Higgs Boson Searches

Contribution ID: 51

Type: **not specified**

## **Beyond the SM Higgs Searches at CMS**

*Friday, 21 October 2011 11:55 (20 minutes)*

**Presenter:** WOLF, Roger (Massachusetts Inst. of Technology (US))

**Session Classification:** Higgs Boson Searches



Contribution ID: 52

Type: **not specified**

## Searches for New Physics at ATLAS

*Friday, 21 October 2011 14:40 (30 minutes)*

**Presenter:** SAVARD, Pierre (Department of Physics-University of Toronto)

**Session Classification:** New Physics Beyond SUSY and Outlook

Contribution ID: 53

Type: **not specified**

## Searches for New Physics at CMS

*Friday, 21 October 2011 15:50 (30 minutes)*

**Presenter:** HALKIADAKIS, Eva (Dept. of Physics and Astronomy-Rutgers, State Univ. of New Jersey)

**Session Classification:** New Physics Beyond SUSY and Outlook

Contribution ID: 54

Type: **not specified**

## Where do we stand with SUSY?

*Friday, 21 October 2011 16:30 (30 minutes)*

**Presenter:** HALL, Lawrence (University of California Berkeley)

**Session Classification:** New Physics Beyond SUSY and Outlook

Contribution ID: 55

Type: **not specified**

## Squashed SUSY Spectra

*Wednesday, 19 October 2011 15:30 (30 minutes)*

**Presenter:** MARTIN, Steve (Northern Illinois University (NIU))

**Session Classification:** "Classic" MSSM-type SUSY Searches

Contribution ID: 56

Type: **not specified**

## **Monojet Signatures in ATLAS**

Contribution ID: 57

Type: **not specified**

## **something else from CMS**

Contribution ID: 58

Type: **not specified**

## Recent Results from LHCb

*Friday, 21 October 2011 14:00 (30 minutes)*

**Presenter:** MATTEUZZI, Clara (Univ. degli Studi Milano-Bicocca (IT))

**Session Classification:** New Physics Beyond SUSY and Outlook