

# **IPMLHC2013: Second IPM Meeting on LHC Physics**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Director message

**Presenter:** Dr LARIJANI

Contribution ID: 1

Type: **not specified**

## Chairperson message

Contribution ID: 2

Type: **not specified**

## CMS Status

*Monday 7 October 2013 09:30 (50 minutes)*

**Presenter:** CAMPORESI, Tiziano (CERN)

Contribution ID: 3

Type: **not specified**

## Coffee Break

Contribution ID: 4

Type: **not specified**

## **CMS future perspectives**

*Monday 7 October 2013 10:50 (50 minutes)*

**Presenter:** VARELA, Joao (LIP Laboratorio de Instrumentacao e Fisica Experimental de Part)

Contribution ID: 5

Type: **not specified**

## SM Higgs boson

*Monday 7 October 2013 11:40 (50 minutes)*

**Presenter:** DE ROECK, Albert (CERN)

Contribution ID: 6

Type: **not specified**

## The role of top physics in the Higgs era

*Monday 7 October 2013 14:00 (50 minutes)*

**Presenter:** TENCHINI, Roberto (Sezione di Pisa (IT))



Contribution ID: 7

Type: **not specified**

## **Measurements of the top-quark properties in the production and decays of $t\bar{t}$ events at CMS**

*Monday 7 October 2013 15:10 (50 minutes)*

**Presenter:** Prof. D'HONDT, Jorgen (Vrije Universiteit Brussel (VUB), Belgium)

Contribution ID: 8

Type: **not specified**

## Status of single top measurements in CMS

*Monday 7 October 2013 16:00 (30 minutes)*

**Presenter:** JAFARI, Abideh (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Contribution ID: 9

Type: **not specified**

## W-Polarization measurement in $t\bar{t}$ events

*Monday 7 October 2013 16:30 (30 minutes)*

**Presenter:** ZEINALI, Maryam (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Contribution ID: **10**

Type: **not specified**

## **Search for flavor changing neutral current in top quark events in pp collisions**

*Monday 7 October 2013 17:00 (20 minutes)*

**Presenter:** GOLDOUZIAN, Reza (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Contribution ID: **11**

Type: **not specified**

## Asymmetries in top-antitop production

*Tuesday 8 October 2013 09:30 (50 minutes)*

**Presenter:** MOHAMMADI NAJAFABADI, Mojtaba (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Contribution ID: **12**

Type: **not specified**

## **Basic concepts of particle detection**

*Tuesday 8 October 2013 10:50 (40 minutes)*

**Presenter:** ABBANEIO, Duccio (CERN)

Contribution ID: **13**

Type: **not specified**

## Trigger and data processing

*Tuesday 8 October 2013 11:30 (40 minutes)*

**Presenter:** BOCCI, Andrea (CERN)

Contribution ID: **14**

Type: **not specified**

## **Silicon detectors**

*Tuesday 8 October 2013 14:10 (40 minutes)*

**Presenter:** BERGAUER, Thomas (Austrian Academy of Sciences (AT))



Contribution ID: **15**

Type: **not specified**

**TBA**

*Tuesday 8 October 2013 13:15 (55 minutes)*

Contribution ID: **16**

Type: **not specified**

## **Search for the BSM Higgs boson (1)**

*Tuesday 8 October 2013 15:10 (50 minutes)*

**Presenter:** NIKITENKO, Alexandre (Imperial College Sci., Tech. & Med. (GB))

Contribution ID: 17

Type: **not specified**

## **Search for the standard model Higgs boson in fermionic decay channels**

*Tuesday 8 October 2013 16:00 (30 minutes)*

**Presenter:** MOHAMMADI, Abdollah (Universite Libre de Bruxelles (BE))

Contribution ID: **18**

Type: **not specified**

## Search for Higgs boson at ATLAS

*Tuesday 8 October 2013 16:50 (30 minutes)*

**Presenters:** RANGEL SMITH, Camila Jose (LPNHE Paris); RANGEL SMITH, Camila (Lab. Phys. Nucl. Hautes Energies (LPNHE))

Contribution ID: **19**

Type: **not specified**

## **Study of soft gluon resummation in high-energy p-p collisions**

*Tuesday 8 October 2013 16:30 (20 minutes)*

**Presenter:** ZAREPOUR, Soodeh (CERN)

Contribution ID: **20**

Type: **not specified**

## Search for the BSM Higgs boson (2)

*Wednesday 9 October 2013 09:30 (50 minutes)*

**Presenter:** NIKITENKO, Alexandre (Imperial College Sci., Tech. & Med. (GB))

Contribution ID: **21**

Type: **not specified**

## Gas detector

*Wednesday 9 October 2013 10:50 (50 minutes)*

**Presenter:** SHARMA, Archana (CERN)

Contribution ID: **22**

Type: **not specified**

## Calorimetry

*Wednesday 9 October 2013 11:40 (50 minutes)*

**Presenter:** PARAMATTI, Riccardo (INFN - Rome I)



Contribution ID: **23**

Type: **not specified**

## Tracker Upgrade

*Wednesday 9 October 2013 14:00 (30 minutes)*

**Presenter:** ABBANEIO, Duccio (CERN)

Contribution ID: **24**

Type: **not specified**

# Trigger Upgrade

*Wednesday 9 October 2013 14:30 (30 minutes)*

**Presenter:** BOCCI, Andrea (CERN)

Contribution ID: 25

Type: **not specified**

## Sensors R&D

*Wednesday 9 October 2013 15:20 (30 minutes)*

**Presenter:** BERGAUER, Thomas (Austrian Academy of Sciences (AT))

Contribution ID: 26

Type: **not specified**

## Upgrade of Forward Calorimetry

*Wednesday 9 October 2013 15:50 (30 minutes)*

**Presenter:** PARAMATTI, Riccardo (INFN - Rome I)

Contribution ID: 27

Type: **not specified**

## Muon Upgrade

*Wednesday 9 October 2013 16:20 (30 minutes)*

**Presenter:** SHARMA, Archana (CERN)

Contribution ID: **28**

Type: **not specified**

## Heavy ion collisions at CMS

*Wednesday 9 October 2013 16:50 (40 minutes)*

**Presenter:** YILMAZ, Yetkin (Laboratoire Leprince-Ringuet, France)

Contribution ID: 29

Type: **not specified**

# **The undefeated Standard Model of Particle Physics: Observation of rare Bs decays into muon pairs**

*Thursday 10 October 2013 09:30 (50 minutes)*

**Presenter:** BAARMAND, Marc (Florida Institute of Technology (US))

Contribution ID: **30**

Type: **not specified**

## Forward Physics at CMS

*Thursday 10 October 2013 10:50 (50 minutes)*

**Presenter:** KHAKZAD, Mohsen (School of Particles and Accelerator Inst. for Res. in Fundam. S)



Contribution ID: **31**

Type: **not specified**

## QCD results from CMS

*Thursday 10 October 2013 11:40 (50 minutes)*

**Presenter:** KODOLOVA, Olga (M.V. Lomonosov Moscow State University (RU))

Contribution ID: 32

Type: **not specified**

## V+jets production at the CMS

*Thursday 10 October 2013 13:00 (50 minutes)*

**Presenter:** ZEYREK, Mehmet (Middle East Technical University (TR))

**Session Classification:** Lunch

Contribution ID: 33

Type: **not specified**

## SUSY at ATLAS

*Friday 11 October 2013 09:30 (50 minutes)*

**Presenter:** ASAI, Shoji (University of Tokyo (JP))

Contribution ID: **34**

Type: **not specified**

## **SUSY at CMS**

*Friday 11 October 2013 10:50 (50 minutes)*

**Presenter:** SEKMEN, Sezen (CERN)

Contribution ID: 35

Type: **not specified**

## Search for third generation of SUSY at CMS

*Friday 11 October 2013 11:40 (30 minutes)*

**Presenter:** PAKTINAT MEHDIABADI, Saeid (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Contribution ID: 36

Type: **not specified**

## Search for R-Parity violating SUSY

*Friday 11 October 2013 12:10 (30 minutes)*

**Presenter:** SAFARZADEH SAMANI, Batool (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Contribution ID: 37

Type: **not specified**

## Search for new physics at CMS

*Friday 11 October 2013 14:00 (50 minutes)*

**Presenter:** MEYER, Arnd (Rheinisch-Westfaelische Tech. Hoch. (DE))

Contribution ID: **38**

Type: **not specified**

## **Search for new resonance at the LHC**

*Friday 11 October 2013 14:50 (30 minutes)*

**Presenter:** CLERBAUX, Barbara (Inter-University Institute for High Energies (BE))



Contribution ID: 39

Type: **not specified**

## **Search for electroweak production of charginos and neutralinos**

*Friday 11 October 2013 16:00 (30 minutes)*

**Presenter:** BAKHSHIANSOHI, Hamed (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Contribution ID: 40

Type: **not specified**

## SUSY in Dileptonic final states

*Friday 11 October 2013 16:30 (30 minutes)*

**Presenter:** FAHIM, Ali (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Contribution ID: 41

Type: **not specified**

## **Search for large extra dimensions in Dilepton final state in pp collisions at $\sqrt{s} = 8$ TeV**

*Friday 11 October 2013 15:40 (20 minutes)*

**Presenter:** ETESAMI, Seyed Mohsen (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Contribution ID: 42

Type: **not specified**

## Search for SUSY with MT2 variable

*Friday 11 October 2013 17:00 (20 minutes)*

**Presenter:** ESKANDARI, Esmael (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Contribution ID: 43

Type: **not specified**

## V+jets production at the CMS

*Thursday 10 October 2013 12:30 (30 minutes)*

**Presenter:** ZEYREK, Mehmet (Middle East Technical University (TR))