

# **IWAD and the 14th RD51 Collaboration Meeting**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## RD51 Introduction

**Presenter:** TITOV, Maksym (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

Contribution ID: 1

Type: **not specified**

## Tech-etch GEM production status

*Wednesday 29 October 2014 10:10 (20 minutes)*

**Presenter:** SURROW, Bernd

**Session Classification:** WG6 - Production

Contribution ID: 2

Type: **not specified**

## **GEM foil development at ECIL (presented by S.Nagarajan)**

*Wednesday 29 October 2014 10:30 (20 minutes)*

**Presenter:** DUBEY, Anand Kumar (Department of Atomic Energy (IN))

**Session Classification:** WG6 - Production

Contribution ID: 3

Type: **not specified**

## **Single mask GEM foil development in India (presented by P.Menon)**

*Wednesday 29 October 2014 10:50 (20 minutes)*

**Presenter:** PANT, Lalit (Bhabha Atomic Research Centre (IN))

**Session Classification:** WG6 - Production

Contribution ID: 4

Type: **not specified**

## **GEM foils quality control from high resolution images**

*Wednesday 29 October 2014 11:50 (20 minutes)*

**Presenter:** GUTIERREZ, Rafael M (Universidad Antonio Nariño)

**Session Classification:** WG6 - Production

Contribution ID: 5

Type: **not specified**

## **Dry process for GEM foil fabrication (presented by A.Joshi)**

*Wednesday 29 October 2014 12:10 (20 minutes)*

**Presenter:** PANT, Lalit (Bhabha Atomic Research Centre (IN))

**Session Classification:** WG6 - Production

Contribution ID: 6

Type: **not specified**

## **Gem production at Techtra**

*Wednesday 29 October 2014 12:30 (20 minutes)*

**Presenter:** BIELOWKA, Piotr (Unknown)

**Session Classification:** WG6 - Production



Contribution ID: 7

Type: **not specified**

## **GEM and Micromegas standard detectors**

*Wednesday 29 October 2014 12:50 (20 minutes)*

**Presenter:** FRANCHINO, Silvia (CERN)

**Session Classification:** WG6 - Production

Contribution ID: 8

Type: **not specified**

## **New results from the Test Beam of Hybrid THGEM-Micromegas Photon Detector**

*Friday 31 October 2014 10:50 (20 minutes)*

**Presenter:** DASGUPTA, Shuddha Shankar (INFN - Trieste)

**Session Classification:** WG2 - Physics issues

Contribution ID: 9

Type: **not specified**

## New results from LCTPC tests

*Friday 31 October 2014 10:10 (20 minutes)*

**Presenter:** COLAS, Paul (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

**Session Classification:** WG2 - Physics issues

Contribution ID: **10**

Type: **not specified**

## **An application of GEM detectors for XRF imaging**

**Presenters:** Dr MINDUR, Bartosz (AGH University of Science and Technology); MINDUR, Bartosz (AGH University of Science and Technology (PL))

Contribution ID: **11**

Type: **not specified**

## **GEM behaviour at high x-ray fluxes**

*Friday 31 October 2014 11:50 (20 minutes)*

**Presenter:** Dr RESNATI, Filippo (CERN)

**Session Classification:** WG2 - Physics issues

Contribution ID: 12

Type: **not specified**

## Update on Charge Transfer Properties Through Graphene Layers in Gas Detectors

*Friday 31 October 2014 11:30 (20 minutes)*

**Presenter:** THUINER, Patrik (Vienna University of Technology (AT))

**Session Classification:** WG2 - Physics issues

Contribution ID: 13

Type: **not specified**

## What we learnt from the ATLAS-Mamma project

*Friday 31 October 2014 09:30 (40 minutes)*

**Presenter:** WOTSCHACK, Joerg (CERN)

**Session Classification:** WG2 - Physics issues

Contribution ID: **14**

Type: **not specified**

## **CMS muon chambers**

*Thursday 30 October 2014 10:10 (20 minutes)*

**Presenter:** BANERJEE, Sunanda (Saha Institute of Nuclear Physics (IN))

**Session Classification:** WG1 - Technology



Contribution ID: 15

Type: **not specified**

## **ATLAS muon chambers: from MSW1 to MSW2**

*Thursday 30 October 2014 10:30 (20 minutes)*

**Presenter:** WOTSCHACK, Joerg (CERN)

**Session Classification:** WG1 - Technology

Contribution ID: 16

Type: **not specified**

## **Measurement and simulation of cooling in Micromegas LCTPC**

*Thursday 30 October 2014 10:50 (20 minutes)*

**Presenter:** BHATTACHARYA, Deb Sankar (SINP/CEA)

**Session Classification:** WG1 - Technology

Contribution ID: 17

Type: **not specified**

## Three-dimensional simulation of gaseous detectors

*Wednesday 29 October 2014 15:20 (25 minutes)*

**Presenter:** GARG, Prakhar (Varanasi)

**Session Classification:** WG4 - Software

Contribution ID: **18**

Type: **not specified**

## **Carbon Coated Gas Electron Multipliers for Time Projection Chamber Prototype**

*Wednesday 29 October 2014 14:30 (25 minutes)*

**Presenter:** SHAHID, Saiqa (Siegen)

**Session Classification:** WG4 - Software

Contribution ID: 19

Type: **not specified**

## Charging up effects in the triple GEM detector

*Wednesday 29 October 2014 14:55 (25 minutes)*

**Presenters:** MINDUR, Bartosz (AGH University of Science and Technology (PL)); Dr MINDUR, Bartosz (AGH University of Science and Technology)

**Session Classification:** WG4 - Software

Contribution ID: 20

Type: **not specified**

## **Ion Mobility in Relevant Gas Mixtures - A Review**

*Wednesday 29 October 2014 15:45 (25 minutes)*

**Presenter:** ENCARNACÃO, Pedro (Universidade de Coimbra)

**Session Classification:** WG4 - Software

Contribution ID: 21

Type: **not specified**

## Signal shapes in the Alice TPC

*Wednesday 29 October 2014 16:10 (25 minutes)*

**Presenter:** ARSLANDOK, Mesut (Johann-Wolfgang-Goethe Univ. (DE))

**Session Classification:** WG4 - Software

Contribution ID: 22

Type: **not specified**

## Gain Ar-CO<sub>2</sub> mixtures

*Wednesday 29 October 2014 17:25 (25 minutes)*

**Presenters:** SAHIN, Ozkan (Uludag University (TR)); SAHIN, Ozkan (Uludag University); SAHIN, ozkan (Uludag University)

**Session Classification:** WG4 - Software



Contribution ID: 23

Type: **not specified**

## neBEM updates and applications

*Wednesday 29 October 2014 17:00 (25 minutes)*

**Presenters:** MUKHOPADHYAY, Supratik (Saha Institute of Nuclear Physics (IN)); MUKHOPADHYAY, Supratik (Saha Institute of Nuclear Physics); MUKHOPADHYAY, Supratik (Saha Institute of Nuclear Physics (IN))

**Session Classification:** WG4 - Software

Contribution ID: 24

Type: **not specified**

## Basics of ion transport simulation

*Wednesday 29 October 2014 17:50 (20 minutes)*

**Presenter:** KALKAN, Yalcin (Uludag University (TR))

**Session Classification:** WG4 - Software

Contribution ID: 25

Type: **not specified**

## Ion clustering

*Wednesday 29 October 2014 18:10 (20 minutes)*

**Presenter:** ÖZDEMİR, Tuğba (Bursa)

**Session Classification:** WG4 - Software

Contribution ID: 26

Type: **not specified**

## **Ion backflow in Bulk Micromegas detectors**

*Friday 31 October 2014 10:30 (20 minutes)*

**Presenters:** BHATTACHARYA, Purba (CERN); BHATTACHARYA, Purba (Saha Institute of Nuclear Physics (IN))

**Session Classification:** WG2 - Physics issues

Contribution ID: 27

Type: **not specified**

## Recent results of LAr LEM TPC R&D

*Friday 31 October 2014 12:10 (20 minutes)*

**Presenter:** WU, Shuoxing (Eidgenoessische Tech. Hochschule Zuerich (CH))

**Session Classification:** WG2 - Physics issues

Contribution ID: 28

Type: **not specified**

## Experimental determination of GEM avalanche multiplicity distribution

*Friday 31 October 2014 12:30 (20 minutes)*

**Presenter:** LASZLO, Andras (Hungarian Academy of Sciences (HU))

**Session Classification:** WG2 - Physics issues

Contribution ID: 29

Type: **not specified**

## **Micromegas as low background x-ray detectors for axion searches: CAST and IAXO**

*Thursday 30 October 2014 11:10 (20 minutes)*

**Presenter:** GRACIA GARZA, Javier (Universidad de Zaragoza (ES))

**Session Classification:** WG1 - Technology

Contribution ID: **30**

Type: **not specified**

## RD51 Collaboration News

*Wednesday 29 October 2014 09:30 (40 minutes)*

**Presenters:** ROPELEWSKI, Leszek (CERN); TITOV, Maksym (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR)); Dr TITOV, Maxim (CEA Saclay)

**Session Classification:** RD51 Plenary Session



Contribution ID: 31

Type: **not specified**

## **Introduction of a Monitoring & Control System for common lab applications**

*Thursday 30 October 2014 09:50 (20 minutes)*

**Presenter:** BRUNBAUER, Florian Maximilian (Vienna University of Technology (AT))

**Session Classification:** WG5 - Electronics

Contribution ID: 32

Type: **not specified**

## **Status of the ALICE TPC upgrade and beam-time prospects**

*Friday 31 October 2014 14:55 (20 minutes)*

**Presenter:** DEISTING, Alexander (Ruprecht-Karls-Universitaet Heidelberg (DE))

**Session Classification:** WG7 - Test beam

Contribution ID: **33**

Type: **not specified**

## Introduction

*Friday 31 October 2014 14:30 (5 minutes)*

**Presenters:** OLIVERI, Eraldo (Sezione di Pisa (IT)); TSIPOLITIS, Yorgos (National Technical Univ. of Athens (GR))

**Session Classification:** WG7 - Test beam

Contribution ID: 34

Type: **not specified**

## **ATLAS: New Small Wheel ATLAS Micromegas plans in the magnetic field at SPS/H4**

*Friday 31 October 2014 14:35 (20 minutes)*

**Presenters:** IENGO, Paolo (CERN); ALEXOPOULOS, Theodoros (National Technical Univ. of Athens (GR))

**Session Classification:** WG7 - Test beam

Contribution ID: 35

Type: **not specified**

## **CMS: Plans for 2014 SPS/H4 Test Beam**

*Friday 31 October 2014 15:15 (20 minutes)*

**Presenter:** MERLIN, Jeremie Alexandre (Institut Pluridisciplinaire Hubert Curien (IPHC-FR))

**Session Classification:** WG7 - Test beam

Contribution ID: 36

Type: **not specified**

## **DEMOKRITOS/LAPP/ATHENS/IRFU: Resistive Micromegas for Calorimetry**

*Friday 31 October 2014 15:35 (20 minutes)*

**Presenter:** CHEFDEVILLE, Maximilien (Centre National de la Recherche Scientifique (FR))

**Session Classification:** WG7 - Test beam

Contribution ID: 37

Type: **not specified**

## **LNF:TripleGEMs for BESSIII and SHIP**

*Friday 31 October 2014 15:55 (20 minutes)*

**Presenter:** FELICI, Giulietto (Istituto Nazionale Fisica Nucleare (IT))

**Session Classification:** WG7 - Test beam

Contribution ID: **38**

Type: **not specified**

## **WIS/AVEIRO/COIMBRA:Test beam evaluation of large single-stage THGEM detectors**

*Friday 31 October 2014 16:15 (20 minutes)*

**Presenter:** BRESSLER, Shikma (Weizmann Institute of Science (IL))

**Session Classification:** WG7 - Test beam



Contribution ID: 39

Type: **not specified**

## Self-triggered readout of GEM in CBM

*Thursday 30 October 2014 09:30 (20 minutes)*

**Presenter:** SAINI, Jogender (Department of Atomic Energy (IN))

**Session Classification:** WG5 - Electronics