

RD51 Mini-Week

Report of Contributions

Contribution ID: 176

Type: **not specified**

NeBEM updates - title to be updated

Presenter: MUKHOPADHYAY, Supratik (Saha Institute of Nuclear Physics (IN))

Session Classification: WG4 - Modelling of Physics Processes and Software Tools

Contribution ID: 177

Type: **not specified**

FTM simulations - title to be updated

Presenter: MAGHRBI, Yasser (Texas A & M University (US))

Session Classification: WG4 - Modelling of Physics Processes and Software Tools

Contribution ID: 178

Type: **not specified**

Magboltz Updates on N₂O, CO₂ and NH₃

Wednesday 5 December 2018 09:20 (20 minutes)

Summary

Presenters: SAHIN, Ozkan (Uludag University (TR)); BIAGI, Stephen (Uludag University (TR))

Session Classification: WG4 - Modelling of Physics Processes and Software Tools

Contribution ID: 179

Type: **not specified**

Investigation of HEED for sub-relativistic electrons

Presenter: VERWILLIGEN, Piet (Universita e INFN, Bari (IT))

Session Classification: WG4 - Modelling of Physics Processes and Software Tools

Contribution ID: **180**

Type: **not specified**

Bayesian Analysis of Muon Tomography Data

Wednesday 5 December 2018 09:40 (20 minutes)

Presenter: Mr FILOSA, Christopher (Université Paris-Saclay (FR))

Session Classification: WG4 - Modelling of Physics Processes and Software Tools

Contribution ID: **181**

Type: **not specified**

Ion Mobility in Ne-CF₄ mixtures

Wednesday 5 December 2018 09:00 (20 minutes)

Presenter: CORTEZ, Andre (Universidade de Coimbra (PT))

Session Classification: WG4 - Modelling of Physics Processes and Software Tools

Contribution ID: **182**

Type: **not specified**

First Result of Charging-up free THGEM detectors

Tuesday 4 December 2018 14:00 (20 minutes)

Presenters: SONG, Guofeng (CSTC); ZHOU, Yi (University of Science and Technology of China (CN)); ZHOU, Yi (University of Science&Technology of China)

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: **183**

Type: **not specified**

Gain and stability behaviour of carbon coated GEMs

Tuesday 4 December 2018 14:20 (20 minutes)

Presenter: ATAY, Serhat (Istanbul Technical University (TR))

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: **184**

Type: **not specified**

A uniformity study of large-area Micromegas with embedded resistors

Tuesday 4 December 2018 14:40 (20 minutes)

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

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: **185**

Type: **not specified**

Encapsulated resistive anode Micromegas

Tuesday 4 December 2018 15:00 (20 minutes)

Presenter: OGAWA, Tomohisa (High Energy Accelerator Research Organization)

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: **186**

Type: **not specified**

R&D Toward Ton-Scale HPGXe Neutrinoless Double Beta Decay Experiments

Tuesday 4 December 2018 15:40 (20 minutes)

Presenter: ROGERS, Leslie (University of Texas in Arlington)

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: **187**

Type: **not specified**

Study of Charge-Up Processes in GEM

Wednesday 5 December 2018 11:20 (20 minutes)

Presenter: HAUER, Philip (University of Bonn (DE))

Session Classification: WG4 - Modelling of Physics Processes and Software Tools

Contribution ID: **188**

Type: **not specified**

Simulation of a Multi-GEM stack

Wednesday 5 December 2018 10:40 (20 minutes)

Presenter: OTTNAD, Jonathan (University of Bonn (DE))

Session Classification: WG4 - Modelling of Physics Processes and Software Tools

Contribution ID: **189**

Type: **not specified**

Energy Resolution and Ion Backflow model for Multi-GEM stack

Wednesday 5 December 2018 11:00 (20 minutes)

Presenter: RATZA, Viktor (University of Bonn (DE))

Session Classification: WG4 - Modelling of Physics Processes and Software Tools

Contribution ID: **190**

Type: **not specified**

Ageing of GEMs in Ar-CH₄

Tuesday 4 December 2018 11:00 (20 minutes)

Presenter: GARABATOS CUADRADO, Chilo (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **191**

Type: **not specified**

Comparative gain measurements of a Chromium GEM detector

Tuesday 4 December 2018 09:40 (20 minutes)

Summary

Presenter: LITTICH, Maximilian (Universität Mainz)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **192**

Type: **not specified**

Introduction to Resistive DLC collaboration

Wednesday 5 December 2018 14:00 (10 minutes)

Presenter: OCHI, Atsuhiko (Kobe University (JP))

Session Classification: WG6 - Production and Industrialization

Contribution ID: **193**

Type: **not specified**

Study of humidity effect on resistive Micromegas

Tuesday 4 December 2018 11:20 (20 minutes)

Summary

Presenter: IENGO, Paolo (CERN)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 194

Type: **not specified**

Preliminary Results of Different Gas Mixtures on a Micromegas prototype for ATLAS NSW

Tuesday 4 December 2018 10:00 (20 minutes)

Presenter: D'AMICO, Valerio (Universita e INFN Roma Tre (IT))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **195**

Type: **not specified**

Report on Special Aging Test of triple-GEM detectors with HIPs

Tuesday 4 December 2018 10:40 (20 minutes)

Presenter: MERLIN, Jeremie Alexandre (CERN)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 196

Type: **not specified**

X ray fluorescence and imaging using triple GEM detectors

Tuesday 4 December 2018 11:40 (20 minutes)

Summary

Authors: Mr GROSSI ARAUJO DE SOUZA, Geovane (Universidade de Sao Paulo (BR)); NATAL DA LUZ, Hugo (Universidade de São Paulo (BR))

Presenter: Mr GROSSI ARAUJO DE SOUZA, Geovane (Universidade de Sao Paulo (BR))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **197**

Type: **not specified**

Spark tolerance study with a Micromegas detector

Tuesday 4 December 2018 09:00 (20 minutes)

Presenter: YAMATANI, Masahiro (University of Tokyo (JP))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **198**

Type: **not specified**

Stability study of triple GEM detector with radioactive source

Tuesday 4 December 2018 09:20 (20 minutes)

Presenter: Dr BISWAS, Saikat (Bose Institute (IN))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **199**

Type: **not specified**

Progress of DLC resistive electrode

Wednesday 5 December 2018 14:10 (15 minutes)

Presenter: ZHOU, Yi (University of Science and Technology of China (CN))

Session Classification: WG6 - Production and Industrialization

Contribution ID: **200**

Type: **not specified**

uRwell DLC detectors under high rate at PSI

Wednesday 5 December 2018 14:25 (15 minutes)

Presenter: POLI LENER, Marco (INFN e Laboratori Nazionali di Frascati (IT))

Session Classification: WG6 - Production and Industrialization

Contribution ID: **201**

Type: **not specified**

Irradiation tests at GIF++ on ATLAS-NSW MM production modules

Wednesday 5 December 2018 14:40 (20 minutes)

Presenter: PEYAUD, Alan (Université Paris-Saclay (FR))

Session Classification: WG6 - Production and Industrialization

Contribution ID: 202

Type: **not specified**

Observations about resistivity change in micromegas produced in industries

Wednesday 5 December 2018 15:00 (20 minutes)

Presenters: LONGO, Luigi (CERN); SIDIROPOULOU, Ourania (Bayerische Julius Max. Universitaet Wuerzburg (DE)); IENGO, Paolo (CERN)

Session Classification: WG6 - Production and Industrialization

Contribution ID: 203

Type: **not specified**

Summary on GE21 M7 production and QC results

Wednesday 5 December 2018 15:20 (20 minutes)

Presenter: YOON, Inseok (Seoul National University (KR))

Session Classification: WG6 - Production and Industrialization

Contribution ID: 204

Type: **not specified**

GEM productions at Micropack in Bangalore

Wednesday 5 December 2018 16:00 (20 minutes)

Presenter: DE OLIVEIRA, Rui (CERN)

Session Classification: WG6 - Production and Industrialization

Contribution ID: 205

Type: **not specified**

GEM foils production status and plans @ Techtra

Wednesday 5 December 2018 16:20 (20 minutes)

Summary

Presenter: KIJEWSKA, Katarzyna (Techtra)

Session Classification: WG6 - Production and Industrialization

Contribution ID: **206**

Type: **not specified**

Conclusion

Thursday 6 December 2018 09:45 (5 minutes)

Presenters: TSIPOLITIS, Yorgos (National Technical Univ. of Athens (GR)); OLIVERI, Eraldo (CERN)

Session Classification: WG7 - Common Test Facilities

Contribution ID: **207**

Type: **not specified**

SCREAM TB at PS/T10 (LAPP,WIS)

Thursday 6 December 2018 09:00 (10 minutes)

Presenters: SHAKED, Dan (Weizmann Institute of Science (IL)); SHAKED RENOUS, Dan

Session Classification: WG7 - Common Test Facilities

Contribution ID: **208**

Type: **not specified**

PICOSEC

Thursday 6 December 2018 09:10 (10 minutes)

Presenter: SOHL, Lukas (Ruhr-Universitaet Bochum (DE))

Session Classification: WG7 - Common Test Facilities

Contribution ID: **209**

Type: **not specified**

Small Pad Resistive Micromegas

Thursday 6 December 2018 09:20 (10 minutes)

Presenter: IODICE, Mauro (INFN - Sezione di Roma Tre)

Session Classification: WG7 - Common Test Facilities

Contribution ID: **210**

Type: **not specified**

Test Beam @ PSI

Thursday 6 December 2018 09:40 (5 minutes)

Presenter: POLI LENER, Marco (INFN e Laboratori Nazionali di Frascati (IT))

Session Classification: WG7 - Common Test Facilities

Contribution ID: **211**

Type: **not specified**

3D inkjet printing of functional detector structures

Wednesday 5 December 2018 16:40 (20 minutes)

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

Session Classification: WG6 - Production and Industrialization

Contribution ID: **212**

Type: **not specified**

DAQ and visualization software for GEM detectors

Thursday 6 December 2018 10:05 (20 minutes)

Presenter: Mr BABIJ, Michal (TTA Techtra)

Session Classification: WG5 - Electronics for MPGD

Contribution ID: 213

Type: **not specified**

Spark protection schem for SAMPA based ALICE TPC electronics

Thursday 6 December 2018 10:25 (20 minutes)

Presenter: LIPPMANN, Christian (GSI - Helmholtzzentrum fur Schwerionenforschung GmbH (DE))

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **214**

Type: **not specified**

512 channel Detector readout with VMM-SRS

Thursday 6 December 2018 10:45 (20 minutes)

Presenters: PFEIFFER, Dorothea (CERN); LUPBERGER, Michael (CERN)

Session Classification: WG5 - Electronics for MPGD

Contribution ID: 215

Type: **not specified**

Report from testbeam readout with VMM frontend

Thursday 6 December 2018 11:05 (20 minutes)

Presenters: CAIAZZA, Stefano (JGU - University of Mainz - KPH institute); CAIAZZA, Stefano (University of Bologna - INFN Bologna); CAIAZZA, Stefano (JGU Mainz); CAIAZZA, Stefano (Johannes Gutenberg Universitaet Mainz (DE))

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **216**

Type: **not specified**

VMM hybrid powering and cooling

Thursday 6 December 2018 11:25 (20 minutes)

Presenter: MULLER, Hans

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **217**

Type: **not specified**

SAMPA frontend for SRS

Thursday 6 December 2018 11:45 (20 minutes)

Presenter: BREGANT, Marco (Universidade de Sao Paulo (BR))

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **218**

Type: **not specified**

Availability of the HARP magnet to test TPCs

Presenter: RADICIONI, Emilio (Universita e INFN, Bari (IT))

Contribution ID: **219**

Type: **not specified**

Small-drift TPC with an open field-cage

Tuesday 4 December 2018 16:00 (20 minutes)

Presenter: GULKER, Jakob (Johannes Gutenberg Universitaet Mainz (DE))

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: 220

Type: **not specified**

Current status of the NMX Zita detector prototype v0 for ESS

Tuesday 4 December 2018 16:20 (20 minutes)

Presenter: THUINER, Patrik (CERN)

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: 221

Type: **not specified**

Perspectives for using the HARP solenoid for detector tests

Tuesday 4 December 2018 16:40 (10 minutes)

Presenter: RADICIONI, Emilio (Universita e INFN, Bari (IT))

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: **222**

Type: **not specified**

neBEM

Wednesday 5 December 2018 10:00 (20 minutes)

Presenter: MUKHOPADHYAY, Supratik (Saha Institute of Nuclear Physics (IN))

Session Classification: WG4 - Modelling of Physics Processes and Software Tools

Contribution ID: 223

Type: **not specified**

THGEM-based PDs test-beam

Thursday 6 December 2018 09:30 (10 minutes)

Presenters: TESSAROTTO, Fulvio (INFN Trieste); TESSAROTTO, Fulvio (Universita e INFN, Trieste (IT))

Session Classification: WG7 - Common Test Facilities