

RD51 Mini-Week

Report of Contributions

Contribution ID: 329

Type: **not specified**

Charge spreading by DLC in resistive anode Micromegas in T2K/ND280 TPC.

Monday 27 February 2023 10:55 (25 minutes)

Presenter: HASSANI, Samira (Université Paris-Saclay (FR))

Session Classification: WG1 - Technological Aspects and Development of New Detector Structures

Contribution ID: 330

Type: **not specified**

The Micro Resistive Groove detector

Monday 27 February 2023 10:30 (25 minutes)

Presenters: HE, Si qi; ZHOU, Yi; ZHOU, Yi (University of Science and Technology of China (CN))

Session Classification: WG1 - Technological Aspects and Development of New Detector Structures

Contribution ID: 331

Type: **not specified**

Limitations and perspectives in wire chambers, straw tubes, TGC, CSC, etc...

Monday 27 February 2023 11:20 (25 minutes)

Presenters: WINTZ, Peter; WINTZ, Peter

Session Classification: WG1 - Technological Aspects and Development of New Detector Structures

Contribution ID: **332**

Type: **not specified**

Introduction

Tuesday 28 February 2023 14:00 (5 minutes)

Presenter: DE OLIVEIRA, Rui (CERN)

Session Classification: Topical Session on CERN Workshops

Contribution ID: 333

Type: **not specified**

BE-CEM-EPR Electronics Service

Tuesday 28 February 2023 14:05 (20 minutes)

Presenter: BERBERAT, Raphael (CERN)

Session Classification: Topical Session on CERN Workshops

Contribution ID: 334

Type: **not specified**

BE-CEM-EPR Electronics Assembly Workshop

Tuesday 28 February 2023 14:25 (20 minutes)

Presenter: KAUFMANN, Sylvain (CERN)

Session Classification: Topical Session on CERN Workshops

Contribution ID: 335

Type: **not specified**

Skills and fabrication facilities available in EN-MME

Tuesday 28 February 2023 14:45 (20 minutes)

Presenter: GUARDIA VALENZUELA, Jorge (CERN)

Session Classification: Topical Session on CERN Workshops

Contribution ID: 336

Type: **not specified**

Surface treatments & Thin film coatings in TE-VSC-SCC

Tuesday 28 February 2023 15:30 (40 minutes)

Presenter: TABORELLI, Mauro (CERN)

Session Classification: Topical Session on CERN Workshops

Contribution ID: 337

Type: **not specified**

Chemicals and surface analysis at TE-VSC-SCC

Tuesday 28 February 2023 16:10 (20 minutes)

Presenter: HIMMERLICH, Marcel (CERN)

Session Classification: Topical Session on CERN Workshops

Contribution ID: **338**

Type: **not specified**

CERN EP Thin Film & Glass service

Tuesday 28 February 2023 16:30 (20 minutes)

Presenter: SCHNEIDER, Thomas (CERN)

Session Classification: Topical Session on CERN Workshops

Contribution ID: 339

Type: **not specified**

Materials engineering and inspection facilities at CERN: the EN-MME-MM section

Tuesday 28 February 2023 16:50 (20 minutes)

Presenter: Dr SGOBBA, Stefano (CERN)

Session Classification: Topical Session on CERN Workshops

Contribution ID: 340

Type: **not specified**

SWEATERS project - MC Simulations of Micromegas at low pressures - status report

Monday 27 February 2023 16:00 (15 minutes)

Summary

Presenters: PILO, Federico (Uni Pisa); ANTONELLI, Giuseppe

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

Contribution ID: 341

Type: **not specified**

DRD1 Preparation - Charge recombination modelling

Presenters: GONZALEZ DIAZ, Diego (Universidade de Santiago de Compostela (ES)); GOMEZ, Faustino; GOMEZ, Faustino (Universidad de Santiago de Compostela)

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

Contribution ID: 342

Type: **not specified**

DRD1 Preparation - Garfield++ future

Presenter: SCHINDLER, Heinrich (CERN)

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

Contribution ID: 343

Type: **not specified**

DRD1 Preparation - Simulation of Resistive Detectors

Presenter: JANSSENS, Djunes (Vrije Universiteit Brussel (BE))

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

Contribution ID: 344

Type: **not specified**

DRD1 Preparation - Discussion Future Simulations & Software Development

Monday 27 February 2023 16:20 (1h 40m)

- Future Garfield++ developments - Heinrich Schindler - 10' - est: 16:30
- NeBEM & COMSOL - Supratik Mukhopadhyay - 10' - est 16:40
- Simulation of Resistive Elements - Djunes Janssens - 10' - est 16:50
- Discharge modeling and simulation - Piotr Gasik - 10' - est 17:00
- Ion Drift, Ion Clustering and Penning - Ozkan Sahin - 10' - est 17:10
- Simulation of negative Ions in Garfield++ - Elisabetta Baracchini - 10' - est 17:20
- Fast simulation for MPGDs - Riccardo Farinelli - 10' - est 17:30
- Scintillation simulation in Garfield++ - Diego Gonzalez Diaz - 10' - est 17:40
- Charge recombination modeling - Faustino Gomez - 10' - est 17:50

Summary

Presenters: GONZALEZ DIAZ, Diego (Universidade de Santiago de Compostela (ES)); JANSSENS, Djunes (Vrije Universiteit Brussel (BE)); BARACCHINI, Elisabetta; GOMEZ, Faustino; SCHINDLER, Heinrich (CERN); SAHIN, Ozkan (Uludag University (TR)); VERWILLIGEN, Piet (Universita e INFN, Bari (IT)); GASIK, Piotr (GSI - Helmholtzzentrum fur Schwerionenforschung GmbH (DE)); FARINELLI, Riccardo (Universita e INFN, Ferrara (IT)); MUKHOPADHYAY, Supratik (Saha Institute of Nuclear Physics (IN)); MUKHOPADHYAY, Supratik (Saha Institute of Nuclear Physics (IN))

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

Contribution ID: 345

Type: **not specified**

DRD1 Preparation - Discharge modelling & simulation

Presenter: GASIK, Piotr (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

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

Contribution ID: 346

Type: **not specified**

DRD1 Preparation - MPGD FastSim

Presenter: FARINELLI, Riccardo (Universita e INFN, Ferrara (IT))

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

Contribution ID: 347

Type: **not specified**

DRD1 Preparation - NeBEM & Comsol simulations

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

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

Contribution ID: 348

Type: **not specified**

DRD1 Preparation - Ion Clustering and Ion drift - Penning

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

Contribution ID: **349**

Type: **not specified**

DRD1 Preparation - Negative Ions

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

Contribution ID: 350

Type: **not specified**

DRD1 Preparation - Scintillation simulation in Garfield++

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

Contribution ID: 351

Type: **not specified**

Micro-pixel chamber with photo readout

Monday 27 February 2023 14:00 (25 minutes)

Summary

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

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 352

Type: **not specified**

Resistive pixelated Micromegas: time performance studies

Monday 27 February 2023 14:25 (25 minutes)

Summary

Presenter: CAMERLINGO, Maria Teresa (Universita e INFN sezione di Napoli (IT))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 353

Type: **not specified**

PICOSEC for the muon Collider detector

Monday 27 February 2023 14:50 (25 minutes)

Summary

Presenter: FIORINA, Davide (INFN Pavia)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 354

Type: **not specified**

Update on PICOSEC Micromegas and future developments

Monday 27 February 2023 11:45 (25 minutes)

Presenter: LISOWSKA, Marta (European Organization for Nuclear Research (CERN))

Session Classification: WG1 - Technological Aspects and Development of New Detector Structures

Contribution ID: 355

Type: **not specified**

Discussion on DRD1 WG2

Monday 27 February 2023 15:15 (15 minutes)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **356**

Type: **not specified**

Status of SRS SAMPA

Tuesday 28 February 2023 09:00 (20 minutes)

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

Session Classification: WG5 - Electronics for MPGD

Contribution ID: 357

Type: **not specified**

SRS status and outlook

Tuesday 28 February 2023 09:20 (30 minutes)

Presenter: MULLER, Hans (University of Bonn (DE))

Session Classification: WG5 - Electronics for MPGD

Contribution ID: 358

Type: **not specified**

Discussion on DRD 1 - WG5 (electronics)

Tuesday 28 February 2023 09:50 (40 minutes)

Presenters: MULLER, Hans (University of Bonn (DE)); KAMINSKI, Jochen (University of Bonn (DE))

Session Classification: WG5 - Electronics for MPGD