

RD51 Collaboration Meeting

Report of Contributions

Contribution ID: 222

Type: **not specified**

CERN EP Detector Seminar: The New Small Wheel project of ATLAS

Friday 17 June 2022 11:00 (1 hour)

Summary

Presenter: VAFEIADIS, Theodoros (CERN)

Session Classification: CERN EP Detector Seminar: ATLAS NSW

Contribution ID: 223

Type: **not specified**

Transmission through Graphene of Electrons in the 30 - 900 eV Range

Tuesday 14 June 2022 10:50 (25 minutes)

Presenters: RUOCCO, Alessandro; APPONI, Alice (Università Roma Tre); IODICE, Mauro (INFN - Sezione di Roma Tre)

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

Contribution ID: 224

Type: **not specified**

ECFA detector R&D roadmap

Thursday 16 June 2022 09:20 (30 minutes)

Presenter: DALLA TORRE, Silvia (Universita e INFN Trieste (IT))

Session Classification: RD51 Future

Contribution ID: 225

Type: **not specified**

Snowmass process

Thursday 16 June 2022 09:50 (20 minutes)

Presenter: TITOV, Maxim (CEA Saclay)

Session Classification: RD51 Future

Contribution ID: 226

Type: **not specified**

CERN EP detector R&D programme

Thursday 16 June 2022 10:10 (20 minutes)

Presenter: OLIVERI, Eraldo (CERN)

Session Classification: RD51 Future

Contribution ID: 227

Type: **not specified**

INFN (Italy) - detector R&D

Thursday 16 June 2022 10:30 (20 minutes)

Presenter: COLALEO, Anna (Universita e INFN, Bari (IT))

Session Classification: RD51 Future

Contribution ID: 228

Type: **not specified**

Saclay (France) - detector R&D

Thursday 16 June 2022 11:10 (20 minutes)

Presenter: FERRER RIBAS, Esther (Université Paris-Saclay (FR))

Session Classification: RD51 Future

Contribution ID: **229**

Type: **not specified**

Germany - detector R&D

Session Classification: RD51 Future

Contribution ID: **230**

Type: **not specified**

EU - financing and networking opportunities

Session Classification: RD51 Future

Contribution ID: **231**

Type: **not specified**

Impact of the ECFA detector R&D roadmap on RD51

Thursday 16 June 2022 14:00 (20 minutes)

Presenter: ROPELEWSKI, Leszek (CERN)

Session Classification: RD51 Future

Contribution ID: **232**

Type: **not specified**

WG1 - New structures and technologies

Thursday 16 June 2022 14:20 (20 minutes)

Presenters: RESNATI, Filippo (CERN); COLAS, Paul (Université Paris-Saclay (FR))

Session Classification: RD51 Future

Contribution ID: 233

Type: **not specified**

Development of ultra-low mass and high-rate capable DLC-RPC for background reduction in MEG II experiment

Tuesday 14 June 2022 09:40 (25 minutes)

Summary

Presenter: TAKAHASHI, Masato (Kobe University)

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

Contribution ID: 234

Type: **not specified**

WG2 - Detector physics and performance

Thursday 16 June 2022 14:40 (20 minutes)

Presenters: BRUNBAUER, Florian Maximilian (CERN); GARCIA FUENTES, Francisco Ignacio (Helsinki Institute of Physics (FI))

Session Classification: RD51 Future

Contribution ID: 235

Type: **not specified**

New working groups

Thursday 16 June 2022 15:00 (10 minutes)

Session Classification: RD51 Future

Contribution ID: 236

Type: **not specified**

WG4 - Modelling of physics processes and software tools

Thursday 16 June 2022 15:10 (20 minutes)

Presenters: SAHIN, Ozkan (Uludag University (TR)); VERWILLIGEN, Piet (Universita e INFN, Bari (IT)); VEENHOF, Rob (Uludag University (TR))

Session Classification: RD51 Future

Contribution ID: 237

Type: **not specified**

WG5 - Electronics for MPGDs

Thursday 16 June 2022 15:50 (20 minutes)

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

Session Classification: RD51 Future

Contribution ID: 238

Type: **not specified**

Updates on GEM prototyping using micro-additive manufacturing technique

Tuesday 14 June 2022 12:05 (25 minutes)

Summary

Presenter: FIORINI DA SILVA, Tiago (Universidade de Sao Paulo (BR))

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

Contribution ID: **239**

Type: **not specified**

WG6 - Production and industrialisation

Thursday 16 June 2022 16:10 (20 minutes)

Presenters: JEANNEAU, Fabien (Université Paris-Saclay (FR)); DE OLIVEIRA, Rui (CERN)

Session Classification: RD51 Future

Contribution ID: 240

Type: **not specified**

WG7 - Common test facilities

Thursday 16 June 2022 16:30 (20 minutes)

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

Session Classification: RD51 Future

Contribution ID: **241**

Type: **not specified**

Round table

Thursday 16 June 2022 16:50 (1h 10m)

Session Classification: RD51 Future

Contribution ID: 242

Type: **not specified**

The T2K TPC upgrade

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

Contribution ID: 243

Type: **not specified**

First images with an Optical Readout Micromegas detector

Tuesday 14 June 2022 10:05 (25 minutes)

Presenter: COOLS, Antoine

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

Contribution ID: 244

Type: **not specified**

Preliminary results of the Proportional Counters array (PCa)

Tuesday 14 June 2022 09:15 (25 minutes)

Presenters: XIANGQI, Tian (USTC); ZHOU, Yi (USTC)

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

Contribution ID: 245

Type: **not specified**

Fast grounding: simulation and further studies

Wednesday 15 June 2022 09:00 (30 minutes)

Summary

Presenter: FANG, Zhujun

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

Contribution ID: 246

Type: **not specified**

Update on numerical signal modelling in detectors with resistive elements

Wednesday 15 June 2022 10:45 (30 minutes)

Summary

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

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

Contribution ID: 247

Type: **not specified**

Numerical calculation of RPC time resolution

Wednesday 15 June 2022 09:30 (30 minutes)

Summary

Presenter: DATTA, Jaydeep

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

Contribution ID: 248

Type: **not specified**

Studies on space charge effect in GEM based detectors

Wednesday 15 June 2022 10:00 (30 minutes)

Summary

Presenter: ROY, Promita

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

Contribution ID: 249

Type: **not specified**

Production and in-beam studies of medium size, 50×50 cm², RPWELL detector

Tuesday 14 June 2022 11:15 (25 minutes)

Presenter: ZAVAZIEVA, Darina

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

Contribution ID: 250

Type: **not specified**

μ Rwell detector for Neutron detection

Monday 13 June 2022 14:00 (25 minutes)

Presenter: RASPINO, davide (STFC)

Session Classification: WG6 - Production and Industrialization

Contribution ID: 251

Type: **not specified**

CLAS12 μ RWELL and GEM-TRD prototypes projects

Monday 13 June 2022 14:25 (25 minutes)

Presenter: GNANVO, Kondo (University of Virginia (US))

Session Classification: WG6 - Production and Industrialization

Contribution ID: 252

Type: **not specified**

Resistive Micromegas T2K upgrade production

Monday 13 June 2022 14:50 (25 minutes)

Summary

Presenter: HENAFF, David (CEA)

Session Classification: WG6 - Production and Industrialization

Contribution ID: 253

Type: **not specified**

Development of ultra-low mass and high-rate capable DLC-RPC in MEG II experiment

Monday 13 June 2022 15:25 (25 minutes)

Presenter: YAMAMOTO, Kensuke

Session Classification: WG6 - Production and Industrialization

Contribution ID: 254

Type: **not specified**

Negative ion drift in a low pressure OTPC

Tuesday 14 June 2022 16:40 (20 minutes)

Presenter: LOOMBA, Dinesh (University of New Mexico)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 255

Type: **not specified**

Electrical breakdown in Thick-GEM based WELL detectors

Tuesday 14 June 2022 15:00 (20 minutes)

Presenter: JASH, Abhik (Weizmann Institute of Science)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 256

Type: **not specified**

Advancements in a large area 100 channel PICOSEC Micromegas detector module

Tuesday 14 June 2022 15:20 (20 minutes)

Summary

Presenter: UTROBICIC, Antonija (CERN)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 257

Type: **not specified**

Intro & news

Friday 17 June 2022 09:00 (10 minutes)

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

Session Classification: WG7 - Common Test Facilities

Contribution ID: **258**

Type: **not specified**

PICOSEC micromegas

Friday 17 June 2022 09:10 (15 minutes)

Presenter: LISOWSKA, Marta (Université Paris-Saclay (FR))

Session Classification: WG7 - Common Test Facilities

Contribution ID: **259**

Type: **not specified**

MiniCactus

Friday 17 June 2022 09:25 (15 minutes)

Presenters: MEYER, Jean-Pierre (Université Paris-Saclay (FR)); MEYER, Jean-Pierre (IRFU-CEA - Centre d'Etudes de Saclay (CEA))

Session Classification: WG7 - Common Test Facilities

Contribution ID: **260**

Type: **not specified**

Straw/VMM3

Friday 17 June 2022 09:40 (15 minutes)

Summary

Presenters: MALEEV, Victor (NRC Kurchatov Institute PNPI (RU)); BAUTIN, Vitalii (Joint Institute for Nuclear Research (RU))

Session Classification: WG7 - Common Test Facilities

Contribution ID: **261**

Type: **not specified**

RD51 VMM3a Tracker and DUTs

Friday 17 June 2022 09:55 (15 minutes)

Presenter: SCHARENBERG, Lucian (CERN, University of Bonn (DE))

Session Classification: WG7 - Common Test Facilities

Contribution ID: **262**

Type: **not specified**

CMS & FTM

Friday 17 June 2022 10:10 (15 minutes)

Presenter: PELLECCCHIA, Antonello (Universita e INFN, Bari (IT))

Session Classification: WG7 - Common Test Facilities

Contribution ID: 263

Type: **not specified**

Rate capability and high-rate GEM foil optimization for the CMS ME0 detector

Tuesday 14 June 2022 15:40 (20 minutes)

Presenter: FIORINA, Davide (Universita & INFN Pavia)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 264

Type: **not specified**

Elaboration of the XYU readout and first measurements

Tuesday 14 June 2022 16:20 (20 minutes)

Summary

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

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 265

Type: **not specified**

Diamond-like carbon coatings for cryogenic operation of particle detectors

Monday 13 June 2022 15:50 (25 minutes)

Presenter: LEARDINI, Sara (Universidade de Santiago de Compostela (ES))

Session Classification: WG6 - Production and Industrialization

Contribution ID: 266

Type: **not specified**

Operation of large micro-RWELL discs with SRS-VMM electronics

Tuesday 14 June 2022 17:00 (20 minutes)

Summary

Presenter: SHEKHTMAN, Lev (Budker Institute of Nuclear Physics (RU))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **267**

Type: **not specified**

tbd

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **268**

Type: **not specified**

Latest News from NSW

Presenter: IENGO, Paolo (CERN)

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

Contribution ID: **269**

Type: **not specified**

A parametric simulation of the uRWELL detector

Wednesday 15 June 2022 11:15 (20 minutes)

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

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

Contribution ID: 270

Type: **not specified**

Energy linearity in the LIME prototype of the CYGNO experiment

Tuesday 14 June 2022 11:40 (25 minutes)

Presenters: TORELLI, Samuele (Gran Sasso Science Institute); TORELLI, Samuele

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

Contribution ID: 271

Type: **not specified**

New setup to measure electron diffusion

Wednesday 15 June 2022 11:35 (20 minutes)

Summary

Presenter: PINTO DOS SANTOS, Filomena (Universidade de Coimbra)

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

Contribution ID: 272

Type: **not specified**

Designing third generation GEM multipixel FPGA-DAQ system

Wednesday 15 June 2022 16:40 (20 minutes)

Summary

Presenter: WOJENSKI, Andrzej (Warsaw University of Technology, Poland)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 273

Type: **not specified**

Latest experiences and test beam results using VMM3a/SRS

Wednesday 15 June 2022 15:00 (20 minutes)

Presenter: SCHARENBERG, Lucian (CERN, University of Bonn (DE))

Session Classification: WG5 - Electronics for MPGD

Contribution ID: 274

Type: **not specified**

Update about integration of SAMPA into SRS

Wednesday 15 June 2022 15:20 (15 minutes)

Presenter: BREGANT, Marco

Session Classification: WG5 - Electronics for MPGD

Contribution ID: 275

Type: **not specified**

Preliminary results from use of the SAMPA prototype

Wednesday 15 June 2022 15:35 (20 minutes)

Presenter: GROSSI ARAUJO DE SOUZA, Geovane

Session Classification: WG5 - Electronics for MPGD

Contribution ID: 276

Type: **not specified**

Short discussion on SRS hardware sharing

Wednesday 15 June 2022 16:25 (5 minutes)

Presenter: OLIVERI, Eraldo (CERN)

Session Classification: WG5 - Electronics for MPGD

Contribution ID: 277

Type: **not specified**

Cylindrical micro-RWell prototype with VMM3a for eRD108

Wednesday 15 June 2022 15:55 (15 minutes)

Presenters: POSIK, Matt; POSIK, matt

Session Classification: WG5 - Electronics for MPGD

Contribution ID: 278

Type: **not specified**

VMM related projects and experiences in Mainz

Wednesday 15 June 2022 16:10 (15 minutes)

Presenter: MARKUS, David Christian Alexander Gabriel (Universität Mainz)

Session Classification: WG5 - Electronics for MPGD

Contribution ID: 279

Type: **not specified**

Simulation of a High Granularity TPC Readout

Wednesday 15 June 2022 11:55 (20 minutes)

Summary

Presenter: EINHAUS, Ulrich

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

Contribution ID: **280**

Type: **not specified**

China - detector R&D

Thursday 16 June 2022 11:40 (10 minutes)

Presenter: LIU, Jianbei (University of Science and Technology of China (CN))

Session Classification: RD51 Future

Contribution ID: **281**

Type: **not specified**

Japan - detector R&D

Thursday 16 June 2022 11:50 (10 minutes)

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

Session Classification: RD51 Future

Contribution ID: **282**

Type: **not specified**

Transfer of CVD grown graphene onto GEM foils

Wednesday 15 June 2022 17:00 (20 minutes)

Presenter: ORLANDINI, Giorgio (Friedrich Alexander Univ. Erlangen (DE))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **283**

Type: **not specified**

US - detector R&D

Thursday 16 June 2022 11:30 (10 minutes)

Presenter: WHITE, Andrew (University of Texas at Arlington (US))

Session Classification: RD51 Future

Contribution ID: **284**

Type: **not specified**

India - detector R&D

Thursday 16 June 2022 12:00 (10 minutes)

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

Session Classification: RD51 Future