

# **RD51 Collaboration Meeting and Topical Workshop on FE electronics for gas detectors**

## **Report of Contributions**

Contribution ID: **61**

Type: **not specified**

# **A Large-area RWELL Prototype for CEPC-DHCAL Application**

*Tuesday, 15 June 2021 09:00 (30 minutes)*

**Presenter:** HONG, Daojin (USTC)

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

Contribution ID: 62

Type: **not specified**

## **Development of Micromegas detectors with high radio-purity and energy-resolution using a thermal bonding method for the PandaX-III experiment**

*Tuesday, 15 June 2021 09:30 (30 minutes)*

**Presenters:** WEN , Sicheng (USTC); ZHOU, yi

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

Contribution ID: **63**

Type: **not specified**

## **EIC and sPhenix tracker development**

*Tuesday, 15 June 2021 10:00 (30 minutes)*

**Presenters:** REVOLLE, Maxence (CEA/Irfu Université Paris Saclay); VANDENBROUCKE, Maxence (Université Paris-Saclay (FR))

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

Contribution ID: **64**

Type: **not specified**

## **A new readout scheme for gaseous detectors**

*Tuesday, 15 June 2021 11:00 (30 minutes)*

**Presenter:** LAKTINEH, Imad (Centre National de la Recherche Scientifique (FR))

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

Contribution ID: 65

Type: **not specified**

## **Modeling of signal formation in detectors with resistive elements: contribution of material specific conductivity**

*Thursday, 17 June 2021 10:50 (30 minutes)*

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

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

Contribution ID: **66**

Type: **not specified**

## **Electroluminescence studies in He-CF<sub>4</sub>-isobutane mixtures**

*Wednesday, 16 June 2021 11:00 (20 minutes)*

### **Summary**

**Presenter:** ROQUE, Rita (University of Coimbra)

**Session Classification:** WG2 - Detector Physics and Performance

Contribution ID: 67

Type: **not specified**

## **Advances in the study of electro luminescence induced by high electric fields outside GEMs**

*Wednesday, 16 June 2021 11:20 (20 minutes)*

**Presenter:** DHO, Giorgio (INFN - National Institute for Nuclear Physics)

**Session Classification:** WG2 - Detector Physics and Performance



Contribution ID: **68**

Type: **not specified**

## **The role of hole misalignment on the gain performance of GEM foils**

*Wednesday, 16 June 2021 10:00 (20 minutes)*

**Presenter:** BRUCKEN, Jens Erik (Helsinki Institute of Physics (FI))

**Session Classification:** WG2 - Detector Physics and Performance

Contribution ID: 69

Type: **not specified**

## **Current status of the preparations for the MIGDAL experiment**

*Wednesday, 16 June 2021 09:40 (20 minutes)*

**Presenter:** MARLEY, Timothy David (Science and Technology Facilities Council STFC (GB))

**Session Classification:** WG2 - Detector Physics and Performance

Contribution ID: 70

Type: **not specified**

## **PICOSEC update: improvements in gain uniformity of 100 channel prototype and single pad detector tests**

*Wednesday, 16 June 2021 09:20 (20 minutes)*

**Presenter:** UTROBICIC, Antonija (CERN)

**Session Classification:** WG2 - Detector Physics and Performance

Contribution ID: 71

Type: **not specified**

## **Update on the Fast Timing MPGD development: performance of resistive DLC foils**

*Wednesday, 16 June 2021 09:00 (20 minutes)*

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

**Session Classification:** WG2 - Detector Physics and Performance

Contribution ID: 72

Type: **not specified**

## **Simulation of uRWELL-based cylindrical inner tracker for Super Tau-Charm Facility (STCF) in China**

*Thursday, 17 June 2021 09:00 (30 minutes)*

**Presenters:** FANG, Zhujun (USTC); ZHOU, yi

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

Contribution ID: 73

Type: **not specified**

## **Analysis of Gas Gains for ATLAS MM Mixtures**

*Friday, 18 June 2021 10:20 (20 minutes)*

### **Summary**

**Presenter:** SAHIN, Ozkan (Uludag University (TR))

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

Contribution ID: 74

Type: **not specified**

## **Introduction to Front-End Electronics for Particle Detectors**

*Tuesday, 15 June 2021 14:05 (30 minutes)*

**Presenters:** LODDO, Flavio (INFN-BARI); LODDO, Flavio (Universita e INFN, Bari (IT))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: 75

Type: **not specified**

## **Strategies for Integration between FE Electronics and Detectors**

*Tuesday, 15 June 2021 14:35 (30 minutes)*

### **Summary**

**Presenters:** LIBERTI, Barbara (INFN e Universita Roma Tor Vergata (IT)); CARDARELLI, Roberto (INFN e Universita Roma Tor Vergata (IT))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors



Contribution ID: 76

Type: **not specified**

## **Design of a Front-End ASIC for the New Small Wheel - Front-end design in CMOS**

*Tuesday, 15 June 2021 15:05 (30 minutes)*

**Presenters:** DE GERONIMO, Gianluigi; DE GERONIMO, Gianluigi (University of Michigan, Stony Brook University, [dgcircuits.com](http://dgcircuits.com))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: 77

Type: **not specified**

## ROC chips for timing

*Tuesday, 15 June 2021 15:35 (30 minutes)*

**Presenter:** DE LA TAILLE, Christophe (OMEGA (FR))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: 78

Type: **not specified**

## Intro

*Tuesday, 15 June 2021 16:20 (5 minutes)*

**Presenters:** OLIVERI, Eraldo (CERN); COLAS, Paul (Université Paris-Saclay (FR))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: 79

Type: **not specified**

## Welcome and Intro

*Tuesday, 15 June 2021 14:00 (5 minutes)*

**Presenters:** ROPELEWSKI, Leszek (CERN); DALLA TORRE, Silvia (Universita e INFN Trieste (IT))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **80**

Type: **not specified**

## Time Projection Chambers

*Tuesday, 15 June 2021 16:25 (25 minutes)*

**Presenters:** COLAS, Paul (CEA/Irfu); COLAS, Paul (CEA - Centre d'Etudes de Saclay (FR)); COLAS, Paul (Université Paris-Saclay (FR))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **81**

Type: **not specified**

## Nuclear Physics

*Tuesday, 15 June 2021 16:50 (25 minutes)*

### Summary

**Presenters:** PANCIN, Julien; PANCIN, Julien (Grand Accelérateur National d'Ions Lourds (FR))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **82**

Type: **not specified**

## **Drift Chamber / Cluster Counting**

*Tuesday, 15 June 2021 17:15 (25 minutes)*

**Presenters:** GRANCAGNOLO, Francesco (INFN - Lecce); GRANCAGNOLO, Francesco (Universita & INFN Lecce (IT))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **83**

Type: **not specified**

# **Electronics for timing detectors: the CMS PPS timing system**

*Tuesday, 15 June 2021 17:40 (25 minutes)*

## **Summary**

**Presenter:** BOSSINI, Edoardo (Universita & INFN Pisa (IT))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors



Contribution ID: **84**

Type: **not specified**

## Neutrons

*Tuesday, 15 June 2021 18:05 (25 minutes)*

**Presenter:** HALL-WILTON, Richard (ESS - European Spallation Source (SE))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **85**

Type: **not specified**

## Calorimetry

*Wednesday, 16 June 2021 14:00 (25 minutes)*

**Presenters:** LAKTINEH, Imad (Centre National de la Recherche Scientifique (FR)); LAKTINEH, Laktineh (Universite Claude Bernard-Lyon I (FR)); LAKTINEH, Laktineh (Universite Claude Bernard-Lyon I (FR))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **86**

Type: **not specified**

## Tracking and Triggering

*Wednesday, 16 June 2021 14:25 (25 minutes)*

**Presenter:** FELICI, Giulietto (INFN e Laboratori Nazionali di Frascati (IT))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: 87

Type: **not specified**

## **Intro**

*Wednesday, 16 June 2021 14:50 (5 minutes)*

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

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **88**

Type: **not specified**

## **BIS78 RPC RO**

*Wednesday, 16 June 2021 14:55 (20 minutes)*

**Presenters:** PIZZIMENTO, Luca; PIZZIMENTO, Luca (INFN e Universita Roma Tor Vergata (IT))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **89**

Type: **not specified**

## **APIC, a study case for discrete detector electronics**

*Wednesday, 16 June 2021 15:15 (20 minutes)*

### **Summary**

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

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **90**

Type: **not specified**

## **Fast Digitizer for Particle Physics**

*Wednesday, 16 June 2021 16:10 (15 minutes)*

**Presenter:** MINAFRA, Nicola (The University of Kansas (US))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **91**

Type: **not specified**

## **Architecture of the SAMPIC digitizer**

*Wednesday, 16 June 2021 16:25 (15 minutes)*

**Presenter:** BRETON, Dominique Robert (Université Paris-Saclay (FR))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors



Contribution ID: 92

Type: **not specified**

## **Fast timing electronics R&D based on waveform digitization**

*Wednesday, 16 June 2021 16:40 (15 minutes)*

**Presenters:** QIN, Jiajun (University of Science and Technology of China (CN)); QIN, Jiajun (University of Science and Technology of China)

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: 93

Type: **not specified**

## **Intro**

*Wednesday, 16 June 2021 16:55 (5 minutes)*

**Presenter:** KAMINSKI, Jochen (University of Bonn (DE))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: 94

Type: **not specified**

## TimePix and MediPix

*Wednesday, 16 June 2021 17:00 (20 minutes)*

**Presenter:** CAMPBELL, Michael (CERN)

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: 95

Type: **not specified**

## Pixel Integration - GridPix

*Wednesday, 16 June 2021 17:20 (20 minutes)*

### Summary

**Presenter:** KAMINSKI, Jochen (University of Bonn (DE))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **96**

Type: **not specified**

## **Pixel Integration - GEMPix**

*Wednesday, 16 June 2021 17:40 (20 minutes)*

**Presenter:** MURTAS, Fabrizio (CERN & INFN)

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: 97

Type: **not specified**

## Discussion (pixels)

*Wednesday, 16 June 2021 18:15 (15 minutes)*

**Presenter:** KAMINSKI, Jochen (University of Bonn (DE))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **98**

Type: **not specified**

## **Intro**

*Thursday, 17 June 2021 14:00 (30 minutes)*

**Presenter:** MARTOIU, Sorin (Horia Hulubei National Institute of Physics and Nuclear Engine)

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: 99

Type: **not specified**

## **ROC (OMEGA) Family**

*Thursday, 17 June 2021 14:30 (10 minutes)*

**Presenters:** CALLIER, Stephane (OMEGA - Ecole Polytechnique - CNRS/IN2P3); CALLIER, Stephane (OMEGA - IN2P3/CNRS)

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors



Contribution ID: **100**

Type: **not specified**

## **VMM**

*Thursday, 17 June 2021 15:40 (10 minutes)*

**Presenter:** IAKOVIDIS, George (Brookhaven National Laboratory (US))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **101**

Type: **not specified**

## **nXYTER**

*Thursday, 17 June 2021 14:40 (10 minutes)*

### **Summary**

**Presenters:** KASIŃSKI, Krzysztof; KASINSKI, krzysztof (AGH)

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **102**

Type: **not specified**

## **GEMROC (AGH)**

*Thursday, 17 June 2021 14:50 (10 minutes)*

**Presenter:** FIUTOWSKI, Tomasz Andrzej (AGH University of Science and Technology (PL))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **103**

Type: **not specified**

## TIGER

*Thursday, 17 June 2021 15:00 (10 minutes)*

**Presenters:** DA ROCHA ROLO, Manuel Dionisio (INFN); DA ROCHA ROLO, Manuel Dionisio (Universita e INFN Torino (IT))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **104**

Type: **not specified**

## **New ASIC (INFN TO)**

*Thursday, 17 June 2021 15:10 (10 minutes)*

**Presenters:** DA ROCHA ROLO, Manuel Dionisio (INFN); DA ROCHA ROLO, Manuel Dionisio (Universita e INFN Torino (IT))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **105**

Type: **not specified**

## **VFAT**

*Thursday, 17 June 2021 15:20 (10 minutes)*

**Presenter:** LICCIULLI, Francesco (Universita e INFN, Bari (IT))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **106**

Type: **not specified**

## **New ASIC (INFN Ba)**

*Thursday, 17 June 2021 15:30 (10 minutes)*

**Presenter:** LICCIULLI, Francesco (Universita e INFN, Bari (IT))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **107**

Type: **not specified**

## **AFTER/AGET**

*Thursday, 17 June 2021 16:10 (10 minutes)*

**Presenter:** BARON, Pascal (Université Paris-Saclay (FR))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors



Contribution ID: **108**

Type: **not specified**

## **SAMPA**

*Thursday, 17 June 2021 16:20 (10 minutes)*

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

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **109**

Type: **not specified**

## **New ASIC (TPC)**

*Thursday, 17 June 2021 16:30 (10 minutes)*

**Presenters:** NEYRET, Damien (Université Paris-Saclay (FR)); NEYRET, Damien (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **110**

Type: **not specified**

## WASA

*Thursday, 17 June 2021 16:40 (10 minutes)*

**Presenters:** DENG, Zhi (Tsinghua University); DENG, Zhi (Tsinghua University (CN))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **111**

Type: **not specified**

## **PADI**

*Thursday, 17 June 2021 16:50 (10 minutes)*

**Presenter:** CIOBANU, Mircea Iuliu (Institute of Atomic Physics)

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **112**

Type: **not specified**

## **PicoTDC**

*Thursday, 17 June 2021 17:10 (30 minutes)*

**Presenter:** CHRISTIANSEN, Jorgen (CERN)

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **113**

Type: **not specified**

## **GEMINI**

*Thursday, 17 June 2021 17:00 (10 minutes)*

### **Summary**

**Presenter:** ABBA, Andrea

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: **114**

Type: **not specified**

## **Modeling GEM-based detectors using hydrodynamic approach**

*Thursday, 17 June 2021 09:30 (30 minutes)*

**Presenter:** DATTA, Jaydeep

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

Contribution ID: 115

Type: **not specified**

## **Compact TPC with GridPix Readout: PID and tracking option for the ATHENA Detector at EIC**

*Tuesday, 15 June 2021 11:30 (30 minutes)*

**Presenter:** GARG, Prakhar (Stony Brook University)

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



Contribution ID: **116**

Type: **not specified**

## **Ion Mobility and Diffusion in Gas Detectors**

*Thursday, 17 June 2021 11:20 (20 minutes)*

### **Summary**

**Presenters:** BAL, Aritra (Saha Institute of Nuclear Physics (IN)); BAL, Aritra (Indian Institute of Technology Kharagpur)

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

Contribution ID: 117

Type: **not specified**

## **Simulation of Neutron Background in CMS GE11 Triple-GEM chambers**

*Thursday, 17 June 2021 11:40 (20 minutes)*

**Presenters:** KUMAR, Sunil; KUMAR, Sunil (Panjab University (IN)); KUMAR, Sunil

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

Contribution ID: **118**

Type: **not specified**

## News

*Friday, 18 June 2021 11:00 (10 minutes)*

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

**Session Classification:** WG7 - Common Test Facilities

Contribution ID: **119**

Type: **not specified**

## **Device for flow-meter absolute-calibration for low gas flows**

*Friday, 18 June 2021 11:40 (20 minutes)*

### **Summary**

**Presenters:** LASZLO, Andras (Wigner Research Centre for Physics (Wigner RCP) (HU)); VARGA, Dezso (Wigner Research Centre for Physics (Wigner RCP) (HU)); HAMAR, Gergoe (Wigner Research Centre for Physics (Wigner RCP) (HU))

**Session Classification:** WG7 - Common Test Facilities

Contribution ID: **120**

Type: **not specified**

## **uRWELL for RD51 Tracker**

*Friday, 18 June 2021 11:10 (20 minutes)*

**Presenters:** ZHOU, Yi (University of Science and Technology of China (CN)); ZHOU, Yi (USTC)

**Session Classification:** WG7 - Common Test Facilities

Contribution ID: 121

Type: **not specified**

## **Pixel chip development for tracking type gaseous detectors**

*Wednesday, 16 June 2021 18:00 (15 minutes)*

**Presenter:** ROMANIOUK, Anatoli (National Research Nuclear University MPhI (RU))

**Session Classification:** Topical Workshop on Front End Electronics for Gas Detectors

Contribution ID: 122

Type: **not specified**

## **Update on the expected performance of an RPWELL-based DHCAL prototype**

*Wednesday, 16 June 2021 10:40 (20 minutes)*

**Presenter:** SHAKED RENOUS, Dan (Weizmann Institute of Science (IL))

**Session Classification:** WG2 - Detector Physics and Performance

Contribution ID: 123

Type: **not specified**

## CMOS analogue frontend

*Monday, 14 June 2021 14:10 (25 minutes)*

### Summary

**Presenter:** VARGA, Dezso (Wigner Research Centre for Physics (Wigner RCP) (HU))

**Session Classification:** WG5 - Electronics for MPGD



Contribution ID: 124

Type: **not specified**

## **SRS-based Timepix3 readout**

*Monday, 14 June 2021 14:35 (25 minutes)*

**Presenters:** GRUBER, Markus (University of Bonn (DE)); GRUBER, Markus (Universität Bonn)

**Session Classification:** WG5 - Electronics for MPGD

Contribution ID: 125

Type: **not specified**

## high rate X-ray measurements with VMM

*Monday, 14 June 2021 15:00 (25 minutes)*

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

**Session Classification:** WG5 - Electronics for MPGD

Contribution ID: 126

Type: **not specified**

## **An automated VMM hybrid characterisation system**

*Monday, 14 June 2021 15:25 (25 minutes)*

**Presenter:** JAECKEL, Finn

**Session Classification:** WG5 - Electronics for MPGD

Contribution ID: 127

Type: **not specified**

## Topical Workshop on FE electronics

*Monday, 14 June 2021 14:00 (10 minutes)*

### Summary

**Presenters:** OLIVERI, Eraldo (CERN); MULLER, Hans (University of Bonn (DE))

**Session Classification:** WG5 - Electronics for MPGD

Contribution ID: **128**

Type: **not specified**

## Agenda

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

**Session Classification:** RD51 Collaboration Board

Contribution ID: **129**

Type: **not specified**

## **Minutes of CB meeting on 6.10.2020**

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

**Session Classification:** RD51 Collaboration Board

Contribution ID: 130

Type: **not specified**

## News from the Management Board

**Presenter:** ROPELEWSKI, Leszek (CERN)

**Session Classification:** RD51 Collaboration Board

Contribution ID: **131**

Type: **not specified**

## **Common fund status**

**Presenter:** TAUREG, Hans (University of Bonn (DE))

**Session Classification:** RD51 Collaboration Board



Contribution ID: **132**

Type: **not specified**

## **Common projects**

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

**Session Classification:** RD51 Collaboration Board

Contribution ID: 133

Type: **not specified**

## **RD51 management elections**

**Presenter:** TAUREG, Hans (University of Bonn (DE))

**Session Classification:** RD51 Collaboration Board

Contribution ID: **134**

Type: **not specified**

## **MPGD2021**

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

**Session Classification:** RD51 Collaboration Board

Contribution ID: **135**

Type: **not specified**

**AOB**

**Session Classification:** RD51 Collaboration Board

Contribution ID: **136**

Type: **not specified**

## **News from the New BULK lab at Saclay**

*Friday, 18 June 2021 09:20 (20 minutes)*

**Presenter:** AUNE, Stephan (Université Paris-Saclay (FR))

**Session Classification:** WG6 - Production and Industrialization

Contribution ID: 137

Type: **not specified**

## **From schematic to gerber files : a new approach for detector design flow based on KiCad and its MPGD dedicated plugin.**

*Friday, 18 June 2021 09:00 (20 minutes)*

**Presenter:** GRABAS, Aude Marie (Université Paris-Saclay (FR))

**Session Classification:** WG6 - Production and Industrialization

Contribution ID: 138

Type: **not specified**

## **DC+AC composite voltage supply for safe operation of resistive detectors**

*Friday, 18 June 2021 09:40 (20 minutes)*

**Presenter:** DE OLIVEIRA, Rui (CERN)

**Session Classification:** WG6 - Production and Industrialization

Contribution ID: **139**

Type: **not specified**

## **WG5.1 report**

*Monday, 14 June 2021 15:50 (10 minutes)*

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

**Session Classification:** WG5 - Electronics for MPGD



Contribution ID: 140

Type: **not specified**

## **Simulation of cylindrical uRWELL for Super Tau-Charm Facility (STCF) in Russia**

*Thursday, 17 June 2021 12:00 (20 minutes)*

**Presenter:** DE LUCIA, Erika (INFN e Laboratori Nazionali di Frascati (IT))

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

Contribution ID: **141**

Type: **not specified**

## **Production of MM-LM1 modules for the ATLAS NSW**

*Friday, 18 June 2021 10:00 (20 minutes)*

**Presenter:** VANDENBROUCKE, Maxence (Université Paris-Saclay (FR))

**Session Classification:** WG6 - Production and Industrialization

Contribution ID: **142**

Type: **not specified**

## **Common fund status**

**Presenter:** TAUREG, Hans (University of Bonn (DE))

**Session Classification:** RD51 Collaboration Board

Contribution ID: 143

Type: **not specified**

## Outgassing studies of materials

*Friday, 18 June 2021 12:00 (10 minutes)*

### Summary

**Presenters:** VOROBEV, Konstantin (National Research Nuclear University MEPhI (RU)); ZHUKOV, Konstantin (Russian Academy of Sciences (RU))

**Session Classification:** WG7 - Common Test Facilities

Contribution ID: 144

Type: **not specified**

## **Time over threshold FEE for RPC TOF detector of BM@N experiment**

*Wednesday, 16 June 2021 11:40 (20 minutes)*

### **Summary**

**Presenter:** USENKO, Evgueni (Russian Academy of Sciences (RU))

**Session Classification:** WG2 - Detector Physics and Performance

Contribution ID: 145

Type: **not specified**

## Communication from Collaboration Board

*Thursday, 17 June 2021 10:00 (30 minutes)*

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

**Session Classification:** Communications

Contribution ID: 146

Type: **not specified**

## **SRS/VMM3a based DAQ for the new RD51 Tracker**

*Friday, 18 June 2021 11:30 (10 minutes)*

### **Summary**

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

**Session Classification:** WG7 - Common Test Facilities