RD51 Mini-Week

Report of Contributions

https://indico.cern.ch/e/872501

Contribution ID: **193** Type: **not specified**

Current state of the art of DLC detectors in various users groups

Wednesday 12 February 2020 14:00 (1 hour)

Presenter: BENCIVENNI, Giovanni (Istituto Nazionale Fisica Nucleare Frascati (IT))

Session Classification: WG6 - Production and Industrialization

Contribution ID: **194** Type: **not specified**

DLC community contributions from RD51 common project

Wednesday 12 February 2020 15:00 (30 minutes)

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

Session Classification: WG6 - Production and Industrialization

Contribution ID: **195** Type: **not specified**

Production processes and problems on Resistive MPGD

Wednesday 12 February 2020 16:00 (30 minutes)

Presenter: DE OLIVEIRA, Rui (CERN)

Session Classification: WG6 - Production and Industrialization

Contribution ID: **196** Type: **not specified**

Current DLC production centers - Intro

Thursday 13 February 2020 09:00 (10 minutes)

Presenters: BENCIVENNI, Giovanni (Istituto Nazionale Fisica Nucleare Frascati (IT)); DE OLIVEIRA, Rui (CERN)

Session Classification: Workshop on DLC

Contribution ID: **197** Type: **not specified**

DLC deposition machine details

Thursday 13 February 2020 11:00 (30 minutes)

Presenter: FERRY, Serge (CERN)

Session Classification: Workshop on DLC

Contribution ID: **198** Type: **not specified**

Discussion on the possibilities of expanding the current production status

Thursday 13 February 2020 11:30 (1 hour)

Presenters: OCHI, Atsuhiko (Kobe University (JP)); BENCIVENNI, Giovanni (Istituto Nazionale Fisica Nucleare Frascati (IT)); DE OLIVEIRA, Rui (CERN); ZHOU, Yi (University of Science and Technology of China (CN))

Session Classification: Workshop on DLC

Contribution ID: **199** Type: **not specified**

lunch

Session Classification: Workshop on DLC

Contribution ID: **200** Type: **not specified**

Detailed discussion with groups directly interrested with DLC tehnologies

Presenters: OCHI, Atsuhiko (Kobe University (JP)); BENCIVENNI, Giovanni (Istituto Nazionale Fisica Nucleare Frascati (IT)); DE OLIVEIRA, Rui (CERN); ZHOU, Yi (University of Science and Technology of China (CN))

Session Classification: Workshop on DLC

Contribution ID: **201** Type: **not specified**

High sensitivity detectors of smoke/flames and dangerous gases- preliminary results

Tuesday 11 February 2020 14:40 (20 minutes)

Presenters: PIETROPAOLO, Francesco (CERN); PESKOV, Vladimir (Russian Academy of Sciences (RU))

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

Contribution ID: **202** Type: **not specified**

Timepix 4 design parameters

Tuesday 11 February 2020 15:00 (20 minutes)

Presenter: LLOPART CUDIE, Xavi (CERN)

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

Contribution ID: **203** Type: **not specified**

Calculations for resistive layers in MPGDs

Wednesday 12 February 2020 09:30 (30 minutes)

Presenter: RIEGLER, Werner (CERN)

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

Contribution ID: **204** Type: **not specified**

Simulation of triple GEMs with a movie

Wednesday 12 February 2020 10:20 (20 minutes)

Summary

Presenters: DUBEY, Anand Kumar (Department of Atomic Energy (IN)); BAL, Aritra (Indian Institute of Technology, Kharagpur, India)

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

Contribution ID: **205** Type: **not specified**

Overview on recent PICOSEC-Micromegas developments and performance tests

Tuesday 11 February 2020 09:00 (20 minutes)

Summary

Presenter: SOHL, Lukas (Université Paris-Saclay (FR))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **206** Type: **not specified**

Update on Small-Pad Micromegas - rate capability as a function of irradiated area

Tuesday 11 February 2020 09:20 (20 minutes)

Presenter: CAMERLINGO, Maria Teresa (Universita e INFN Roma Tre (IT))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **207** Type: **not specified**

2D-THCOBRA: New findings through optical readout

Tuesday 11 February 2020 11:10 (30 minutes)

Summary

Primary authors: MONTEIRO DA SILVA, Ana Luisa (University of Aveiro (PT)); BRUNBAUER, Florian Maximilian (CERN, Vienna University of Technology (AT)); GARCIA FUENTES, Francisco Ignacio (Helsinki Institute of Physics (FI)); LISOWSKA, Marta (Wroclaw University of Science and Technology (PL)); VELOSO, joao (university of aveiro)

Presenters: MONTEIRO DA SILVA, Ana Luisa (University of Aveiro (PT)); BRUNBAUER, Florian Maximilian (CERN, Vienna University of Technology (AT))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **208** Type: **not specified**

ASSET - Photocathode characterisation device

Wednesday 12 February 2020 11:30 (15 minutes)

Summary

Presenter: LISOWSKA, Marta (Wroclaw University of Science and Technology (PL))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **209** Type: **not specified**

Preliminary results of ND Photocathode coupled to THGEMs

Wednesday 12 February 2020 11:45 (15 minutes)

Summary

Presenters: TRILOKI, Triloki (Universita e INFN Trieste (IT)); DASGUPTA, Shuddha Shankar (INFN Trieste (IT))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **210** Type: **not specified**

Observation of the Migdal effect from nuclear scattering using a low pressure Optical-TPC

Tuesday 11 February 2020 14:20 (20 minutes)

Presenter: Dr MAJEWSKI, Pawel (STFC/Rutherford Appleton Laboratory)

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

Contribution ID: **211** Type: **not specified**

Production and Test of an Aluminum Floating Strip Micromegas for Small Animal Proton Imaging

Tuesday 11 February 2020 14:00 (20 minutes)

Presenter: BORTFELDT, Jonathan Frederik (Fakultaet fuer Physik-Ludwig-Maximilians-Univ. Muenchen)

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

Contribution ID: **212** Type: **not specified**

Update on ATLAS NSW Micromegas - Understanding of the HV Stability issues

Tuesday 11 February 2020 16:10 (40 minutes)

Presenter: ANULLI, Fabio (Sapienza Universita e INFN, Roma I (IT))

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

Contribution ID: **213** Type: **not specified**

Charge spreading in the upgraded TPCs of T2K/ND280

Tuesday 11 February 2020 15:50 (20 minutes)

Presenter: LEHURAUX, Marion (Université Paris-Saclay (FR))

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

Contribution ID: **214** Type: **not specified**

Diamond film (RD in Bari)

Wednesday 12 February 2020 11:00 (30 minutes)

After a brief introduction on some properties of CsI-based photocathodes, the results on diamond-based will be reviewed, starting from films obtained by CVD to get to those by Powder Spray.

Presenters: VALENTINI, Antonio (INFN - National Institute for Nuclear Physics); VALENTINI, Antonio (INFN Bari)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **215** Type: **not specified**

Testing large size triple GEM chambers in mCBM experiment at SIS18 facility of GSI

Tuesday 11 February 2020 10:00 (20 minutes)

Presenters: KUMAR, Ajit (Variable Energy Cyclotron Centre); DUBEY, Anand Kumar (Department of Atomic Energy (IN))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **216** Type: **not specified**

Progress with the VMM frontend at Mainz (vidyo)

Monday 10 February 2020 16:40 (20 minutes)

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

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **217** Type: **not specified**

Status of the WG5.1 Working group discussions

Monday 10 February 2020 14:20 (20 minutes)

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

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **218** Type: **not specified**

Integration of the SAMPA in the SRS frontend (vidyo)

Monday 10 February 2020 14:00 (20 minutes)

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

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **219** Type: **not specified**

VMM high rate measurements

Monday 10 February 2020 14:40 (20 minutes)

Presenters: PFEIFFER, Dorothea (CERN); SCHARENBERG, Lucian (CERN, University of Bonn (DE))

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **220** Type: **not specified**

Firmware for the VMM hybrid frontend

Monday 10 February 2020 15:00 (20 minutes)

Presenter: HRACEK, Marek (Czech Technical University (CZ))

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **221** Type: **not specified**

VMM hybrid test Software for uPython-driven test card

Monday 10 February 2020 16:20 (20 minutes)

Presenters: POPESCU, Sorina (The University of Kansas (US)); POPESCU, Sorina (F)

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **222** Type: **not specified**

Connecting VMM frontends to the SRS backend

Monday 10 February 2020 17:00 (20 minutes)

Presenter: MULLER, Hans

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **223** Type: **not specified**

Automated Quality Tests of the VMM-Hybrid

Monday 10 February 2020 16:00 (20 minutes)

Presenter: JÄCKEL, Finn

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **224** Type: **not specified**

Scalable Readout System: Updates of the VMM Hybrid firmware (vidyo)

Monday 10 February 2020 15:20 (20 minutes)

Presenter: SCHWÄBIG, Patrick

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **225** Type: **not specified**

Recent development of Glass GEM

Tuesday 11 February 2020 10:50 (20 minutes)

Presenter: FUJIWARA, Takeshi (National Institute of Advanced Industrial Science & Technology)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **226** Type: **not specified**

Small Drift TPC with VMM Readout for MAGIX

Tuesday 11 February 2020 09:40 (20 minutes)

Summary

Presenters: GULKER, Jakob (Johannes Gutenberg Universitaet Mainz (DE)); GUELKER, pepe

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **227** Type: **not specified**

New Laser setup in Bari for MPGD gain measurements

Tuesday 11 February 2020 11:40 (20 minutes)

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

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **228** Type: **not specified**

Santiago de Compostela

Wednesday 12 February 2020 09:15 (15 minutes)

Presenter: GONZALEZ DIAZ, Diego (Universidade de Santiago de Compostela (ES))

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

Contribution ID: **229** Type: **not specified**

Current DLC production centers - China

Thursday 13 February 2020 09:10 (20 minutes)

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

Session Classification: Workshop on DLC

Contribution ID: **230** Type: **not specified**

Current DLC production centers - Japan

Thursday 13 February 2020 09:30 (20 minutes)

Presenters: OCHI, Atsuhiko (Kobe University (JP)); OCHI, Atsuhiko

Session Classification: Workshop on DLC

Contribution ID: **231** Type: **not specified**

Current DLC production centers - Italy

Thursday 13 February 2020 09:50 (20 minutes)

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

Session Classification: Workshop on DLC

Contribution ID: **232** Type: **not specified**

Current DLC production centers - ESS-Linkoping laboratory

Thursday 13 February 2020 10:10 (20 minutes)

Presenter: LAI, Chung-Chuan (ESS-Linkoping laboratory)

Session Classification: Workshop on DLC

Contribution ID: **233** Type: **not specified**

Current DLC production centers - Conclusion

Thursday 13 February 2020 10:30 (10 minutes)

Presenters: BENCIVENNI, Giovanni (Istituto Nazionale Fisica Nucleare Frascati (IT)); DE OLIVEIRA, Rui (CERN)

Session Classification: Workshop on DLC