

RD51 Collaboration Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Interfacing neBEM and Garfield++

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

Contribution ID: 2

Type: **not specified**

Recent Gas Gain Simulations

Monday, 24 September 2018 15:15 (15 minutes)

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

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

Contribution ID: 3

Type: **not specified**

First results of cluster size determination experiment by using Rayleigh Scattering

Monday, 24 September 2018 15:00 (15 minutes)

Presenter: KALKAN, Yalcin (Uludag University (TR))

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

Contribution ID: 4

Type: **not specified**

Current status of MPGD simulation in negative ion gas for direction-sensitive dark matter search

Monday, 24 September 2018 14:30 (15 minutes)

Presenter: Mr ISHIURA, Hirohisa (Kobe University(JP))

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

Contribution ID: 5

Type: **not specified**

Measurements of the impact of mesh geometry on Micromegas discharges

Wednesday, 26 September 2018 11:50 (20 minutes)

Presenters: SEKHNIADZE, Givi (Universita e sezione INFN di Napoli (IT)); IENGO, Paolo (CERN)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 6

Type: **not specified**

Preliminary discharge probability studies with THGEMs

Wednesday, 26 September 2018 10:50 (20 minutes)

Presenters: ULUKUTLU, Berkin (Technische Universität München); GASIK, Piotr (Technische Universität München (DE))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 7

Type: **not specified**

Simulation of the Fast Timing MPGD

Presenter: Dr MAGHRBI, Yasser (American University of the Middle East (Kuwait))

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

Contribution ID: 8

Type: **not specified**

A systematic numerical study on different Micromegas for HV stability

Tuesday, 25 September 2018 14:50 (20 minutes)

Presenter: BHATTACHARYA, Deb Sankar (Julius Max. Universitaet Wuerzburg (DE))

Session Classification: WG1 - New Structures and Technologies

Contribution ID: 9

Type: **not specified**

The MPGD-Based Photon Detectors for the upgrade of COMPASS RICH-1 and beyond

Tuesday, 25 September 2018 15:10 (20 minutes)

Presenter: TESSAROTTO, Fulvio (Universita e INFN Trieste (IT))

Session Classification: WG1 - New Structures and Technologies

Contribution ID: **10**

Type: **not specified**

Status of the Micromegas NSW Production

Thursday, 27 September 2018 09:00 (30 minutes)

Modules preparation, tests, validation and recent results

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

Session Classification: WG6 - Production and Industrialization

Contribution ID: 11

Type: **not specified**

News from DLC : Production in Japan and T2K upgrade

Thursday, 27 September 2018 09:30 (20 minutes)

Presenter: COLAS, Paul (Université Paris-Saclay (FR))

Session Classification: WG6 - Production and Industrialization

Contribution ID: 12

Type: **not specified**

Detailed simulation of the PICOSEC Micromegas Detector with GARFIELD++

Monday, 24 September 2018 16:30 (30 minutes)

Presenters: PARASCHOU, Konstantinos (Aristotle University of Thessaloniki (GR)); KORDAS, Kostas (Aristotle University of Thessaloniki (GR)); TZAMARIAS, Spyros (Aristotle University of Thessaloniki (GR)); TZAMARIAS, Spyros (Hellenic Open University)

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

Contribution ID: 13

Type: **not specified**

Phenomenological Modeling of the PICOSEC Timing Characteristics

Monday, 24 September 2018 17:00 (30 minutes)

Presenters: PARASCHOU, Konstantinos (Aristotle University of Thessaloniki (GR)); TZAMARIAS, Spyros (Hellenic Open University); TZAMARIAS, Spyros (Aristotle University of Thessaloniki (GR))

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

Contribution ID: 14

Type: **not specified**

News and October Beam (last beam before CERN Long Shut Down)

Thursday, 27 September 2018 11:00 (5 minutes)

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

Session Classification: WG7 - Common Test Facilities

Contribution ID: 15

Type: **not specified**

SCREAM (LAPP, WIS)

Thursday, 27 September 2018 11:05 (20 minutes)

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

Session Classification: WG7 - Common Test Facilities

Contribution ID: 16

Type: **not specified**

PICOSEC, report and plans

Thursday, 27 September 2018 11:35 (10 minutes)

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

Session Classification: WG7 - Common Test Facilities

Contribution ID: 17

Type: **not specified**

VMM tests at a GEM detector and the multiplexed Micromegas prototype for GBAR

Thursday, 27 September 2018 11:55 (10 minutes)

Presenters: JANKA, Gianluca (ETH Zurich (CH)); LUPBERGER, Michael (CERN)

Session Classification: WG7 - Common Test Facilities

Contribution ID: **18**

Type: **not specified**

THGEM-based PDs

Thursday, 27 September 2018 12:25 (10 minutes)

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

Session Classification: WG7 - Common Test Facilities

Contribution ID: **19**

Type: **not specified**

FTOF

Thursday, 27 September 2018 12:15 (10 minutes)

Presenter: Dr LI, Xin (Univ of Sci & Tech of China)

Session Classification: WG7 - Common Test Facilities

Contribution ID: 20

Type: **not specified**

Thermal bonded MM & uRWELL

Thursday, 27 September 2018 11:25 (10 minutes)

Presenter: FENG, Jianxin (USTC)

Session Classification: WG7 - Common Test Facilities

Contribution ID: 21

Type: **not specified**

Resistive gaseous detectors, design, performance and perspective

Wednesday, 26 September 2018 11:10 (20 minutes)

Presenter: PESKOV, Vladimir (Russian Academy of Sciences (RU))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 22

Type: **not specified**

CANCELLED - Imaging using triple GEMs at VECC

Wednesday, 26 September 2018 10:30 (20 minutes)

Presenter: DUBEY, Anand Kumar (Department of Atomic Energy (IN))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 23

Type: **not specified**

Event reconstruction and pattern recognition analysis with different readout granularities on 2D/3D using REST

Monday, 24 September 2018 15:30 (15 minutes)

Presenter: GALAN LACARRA, Javier (CEA Saclay)

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

Contribution ID: 24

Type: **not specified**

HFS & RD50

Thursday, 27 September 2018 12:05 (10 minutes)

Presenter: Dr WHITE, Sebastian (University of Virginia (US))

Session Classification: WG7 - Common Test Facilities

Contribution ID: 25

Type: **not specified**

Diamon-Like Carbon (DLC) photocathode for PICOSEC detector

Tuesday, 25 September 2018 14:30 (20 minutes)

Presenters: WANG, Xu; WANG, Xu (University of Science and Technology of China (CN)); WANG, Xu (wangxu1@mail.ustc.edu.cn)

Session Classification: WG1 - New Structures and Technologies

Contribution ID: 26

Type: **not specified**

MPGD study for the HL-LHC Beam Gas Vertex Profile monitoring system

Wednesday, 26 September 2018 11:30 (20 minutes)

Presenter: KIEFFER, Robert (University of London (GB))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 27

Type: **not specified**

Overview and first events of the ProtoDUNE Single-Phase experiment

Tuesday, 25 September 2018 15:30 (15 minutes)

Presenter: ACCIARRI, Roberto (Fermi National Accelerator Lab. (US))

Session Classification: WG1 - New Structures and Technologies

Contribution ID: 28

Type: **not specified**

Preparation and resistivity measurement of the nitrogen doped DLC

Thursday, 27 September 2018 09:50 (20 minutes)

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

Session Classification: WG6 - Production and Industrialization

Contribution ID: **29**

Type: **not specified**

u-PIC

Thursday, 27 September 2018 11:45 (10 minutes)

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

Session Classification: WG7 - Common Test Facilities

Contribution ID: **30**

Type: **not specified**

Kick-off meeting summary

Wednesday, 26 September 2018 16:30 (10 minutes)

Presenter: GASIK, Piotr (Technische Universitaet Muenchen (DE))

Session Classification: DISCO - discharge consortium initiative

Contribution ID: 31

Type: **not specified**

Spark Detection System development (GEM QA)

Wednesday, 26 September 2018 17:00 (15 minutes)

Presenters: BALL, Markus (University of Bonn (DE)); HAUER, Philip (University of Bonn (DE))

Session Classification: DISCO - discharge consortium initiative

Contribution ID: 32

Type: **not specified**

R&D activities in Zagreb

Wednesday, 26 September 2018 17:15 (15 minutes)

Presenters: UTROBICIC, Antonija (University of Zagreb (HR)); PLANINIC, Mirko (University of Zagreb (HR))

Session Classification: DISCO - discharge consortium initiative

Contribution ID: 33

Type: **not specified**

Discharges with resistive layers (ATLAS NSW)

Wednesday, 26 September 2018 17:50 (15 minutes)

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

Session Classification: DISCO - discharge consortium initiative

Contribution ID: **34**

Type: **not specified**

DISCO: next steps, common project

Wednesday, 26 September 2018 18:05 (10 minutes)

Presenter: GASIK, Piotr (Technische Universitaet Muenchen (DE))

Session Classification: DISCO - discharge consortium initiative

Contribution ID: 35

Type: **not specified**

Common project, funding opportunities

Presenters: GASIK, Piotr (Technische Universitaet Muenchen (DE)); PESKOV, Vladimir (Russian Academy of Sciences (RU))

Session Classification: DISCO - discharge consortium initiative

Contribution ID: 36

Type: **not specified**

Development of a new GEM-based TPC focal plane detector for the MAGIX experiment

Tuesday, 25 September 2018 15:45 (15 minutes)

Presenter: CAIAZZA, Stefano (University of Bologna - INFN Bologna)

Session Classification: WG1 - New Structures and Technologies

Contribution ID: 37

Type: **not specified**

HEED++: history, structure and physics

Monday, 24 September 2018 14:45 (15 minutes)

Presenter: SMIRNOV, Igor (Petersburg Nuclear Physics Institut (RU))

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

Contribution ID: **38**

Type: **not specified**

Effects of discharges on the resistive layer

Wednesday, 26 September 2018 17:30 (20 minutes)

Presenter: SIDIROPOULOU, Ourania (CERN)

Session Classification: DISCO - discharge consortium initiative

Contribution ID: **39**

Type: **not specified**

CERN EP - R&D on experimental technologies

Contribution ID: 40

Type: **not specified**

Why are multi-MPGD stuctures better?

Wednesday, 26 September 2018 16:40 (20 minutes)

Presenter: SAULI, Fabio (TERA Foundation (IT))

Session Classification: DISCO - discharge consortium initiative

Contribution ID: 41

Type: **not specified**

RD51 participation on ATLAS VMM wafer production (Discussion with teams, Vinnie present)

Wednesday, 26 September 2018 14:00 (30 minutes)

Presenter: MULLER, Hans

Session Classification: WG5 - Electronics for MPGDs

Contribution ID: 42

Type: **not specified**

New SRS electronics for new new frontends

Wednesday, 26 September 2018 14:30 (30 minutes)

Presenter: MULLER, Hans

Session Classification: WG5 - Electronics for MPGDs

Contribution ID: 43

Type: **not specified**

VMM and the SRS - update

Wednesday, 26 September 2018 15:00 (20 minutes)

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

Session Classification: WG5 - Electronics for MPGDs

Contribution ID: 44

Type: **not specified**

Status new SRS software

Wednesday, 26 September 2018 15:40 (20 minutes)

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

Session Classification: WG5 - Electronics for MPGDs

Contribution ID: 45

Type: **not specified**

Status of photocathode characterisation setup at GDD lab

Wednesday, 26 September 2018 10:30 (20 minutes)

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

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 46

Type: **not specified**

VMM frontend plans for Magix

Wednesday, 26 September 2018 15:20 (20 minutes)

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

Session Classification: WG5 - Electronics for MPGDs