

RD51 Mini-Week

Report of Contributions

Contribution ID: **10**

Type: **not specified**

A simple model for the gain drop in micro-Resistive WELL

Presenter: MORELLO, Gianfranco (LNF)

Contribution ID: 11

Type: **not specified**

Graphite coating at Tsinghua University

Presenter: WANG, Yi (Tsinghua University)

Contribution ID: 12

Type: **not specified**

Surface uniformity in graphite-painted sTGCs and its impact

Presenter: MIKENBERG, George (Weizmann Institute of Science (IL))

Contribution ID: 13

Type: **not specified**

Robust ceramic composites with tunable electric properties

Presenter: PECHARROMAN, Carlos (ICNM)

Contribution ID: 14

Type: **not specified**

Low resistivity Chinese Glass

Presenter: WANG, Yi (Tsinghua University)

Contribution ID: 15

Type: **not specified**

Resistive Well

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

Contribution ID: **16**

Type: **not specified**

Electric fields and signals in detectors with resistive materials

Presenter: RIEGLER, Werner (CERN)

Contribution ID: 17

Type: **not specified**

Characterization of resistive foils as a function of humidity, temperature and integrated charge

Presenter: SIDIROPOULOU, Ourania (Bayerische Julius Max. Universitaet Wuerzburg (DE))

Contribution ID: **18**

Type: **not specified**

Characterization of protection layers in pixelised MPGDs

Presenter: HARTJES, Frederik (Nikhef National institute for subatomic physics (NL))

Contribution ID: **19**

Type: **not specified**

Resistive paste, spiders, buried resistors and other photolithography tricks

Presenter: DE OLIVEIRA, Rui (CERN)

Contribution ID: 20

Type: **not specified**

Round table

Presenters: GONZALEZ DIAZ, Diego (Uludag University (TR)); CHEFDEVILLE, Maximilien (Centre National de la Recherche Scientifique (FR)); DE OLIVEIRA, Rui (CERN); DALLA TORRE, Silvia (Universita e INFN, Trieste (IT))

Contribution ID: 21

Type: **not specified**

Screen-printing at Saclay workshop

Presenter: JEANNEAU, Fabien (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

Contribution ID: 34

Type: **not specified**

GEMs made in India

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

Contribution ID: 35

Type: **not specified**

Status of the new building at CERN

Presenter: DE OLIVEIRA, Rui (CERN)

Contribution ID: **36**

Type: **not specified**

BES test beam in H4

Presenter: CIBINETTO, Gianluigi (INFN Ferrara)

Contribution ID: 37

Type: **not specified**

LNF & SHIP test beam in H4

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

Contribution ID: **38**

Type: **not specified**

ATLAS umegas test beam in H4

Presenter: ALEXOPOULOS, Theodoros (National Technical Univ. of Athens (GR))

Contribution ID: 39

Type: **not specified**

CMS GEM test beam in H4

Presenters: DORNEY, Brian (CERN); VAL, Ilaria (Universita e INFN, Pavia (IT))

Contribution ID: 40

Type: **not specified**

DCS and enviromental parameter measurements with the arduino

Presenter: PAPAKRIVOPOULOS, Yannis (National Technical Univ. of Athens (GR))

Contribution ID: 44

Type: **not specified**

Performance of a triple GEM prototype in magnetic field for the BESIII experiment

Presenter: MEZZADRI, Giulio (Universita di Ferrara & INFN (IT))

Contribution ID: 45

Type: **not specified**

Further laboratory investigation of the RPWELL

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

Contribution ID: 47

Type: **not specified**

First tests of resistive Kapton LEM in Dual Phase LAr TPC

Presenter: WU, Shuoxing (Eidgenoessische Tech. Hochschule Zuerich (CH))

Contribution ID: 51

Type: **not specified**

Discharge studies with single GEMs

Presenter: DEISTING, Alexander (Ruprecht-Karls-Universitaet Heidelberg (DE))

Contribution ID: 54

Type: **not specified**

Status of developments for ACTAR TPC

Presenter: GIOVINAZZO, Jerome (Centre National de la Recherche Scientifique (FR))

Contribution ID: 62

Type: **not specified**

ScanPyramid, the project and the recent deployment of Micromegas muography chamber

Presenters: PROCUREUR, Sebastien (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR)); BOUTEILLE, Simon (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

Contribution ID: **64**

Type: **not specified**

Test Beam News

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

Contribution ID: 65

Type: **not specified**

Optical readout

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

Contribution ID: **66**

Type: **not specified**

CMS GEM H4 test beam

Presenter: VAI, Ilaria (Universita e INFN, Pavia (IT))

Contribution ID: 67

Type: **not specified**

Picosec H4 test beam

Summary

Presenters: LUPBERGER, Michael (CERN); PAPADEVANGELOU, Thomas (CEA/IRFU, Centre d'étude de Saclay Gif-sur-Yvette (FR))

Contribution ID: **68**

Type: **not specified**

BES III H4 test beam

Presenter: FARINELLI, Riccardo (Universita di Ferrara & INFN (IT))

Contribution ID: 70

Type: **not specified**

ORANGE: tracking particles with optically readout GEM

Presenter: PINCI, Davide (Universita e INFN, Roma I (IT))

Contribution ID: 71

Type: **not specified**

On the possibility of positive-ion detection in high-pressure TPCs

Presenter: ARAZI, Lior (Weizmann Institute of Science)

Contribution ID: 72

Type: **not specified**

Recent advances in bubble-assisted liquid hole multipliers

Presenter: ARAZI, Lior (Weizmann Institute of Science)

Contribution ID: 73

Type: **not specified**

Recent Results from Small Pads Resistive Micromegas

Presenter: PETRUCCI, Fabrizio (Roma Tre Universita Degli Studi (IT))

Contribution ID: 74

Type: **not specified**

Precise time tagging of MIPs with Micromegas

Presenter: OLIVERI, Eraldo (CERN)

Contribution ID: 75

Type: **not specified**

GEM-based alternatives for Ion Backflow suppression

Presenter: NATAL DA LUZ, Hugo (Universidade de São Paulo (BR))

Contribution ID: 76

Type: **not specified**

Long term gas stability of the HARPO detector under HV

Summary

Presenter: GROS, Philippe (Centre National de la Recherche Scientifique (FR))

Contribution ID: 77

Type: **not specified**

Test beam results of a quad GridPix TPC with focused electric drift field

Presenter: VAN DER GRAAF, Harry (Nikhef National institute for subatomic physics (NL))

Contribution ID: 78

Type: **not specified**

A general-purpose and GridPix-based ‘Quad’ modular readout system for TPCs

Presenter: VAN DER GRAAF, Harry (Nikhef National institute for subatomic physics (NL))

Contribution ID: 79

Type: **not specified**

Multiplexing of the readout of a TPC with pads : a quantitative study

Presenter: VANDENBROUCKE, Maxence (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

Contribution ID: **80**

Type: **not specified**

Recent achievements on u-RWELL

Presenter: MORELLO, Gianfranco (Istituto Nazionale Fisica Nucleare Frascati (IT))

Contribution ID: **81**

Type: **not specified**

Simulation of HARPO and its calibration/validation; use for the correction of systematics in our measurement of gamma ray polarisation

Presenter: GROS, Philippe (LLR)

Contribution ID: **82**

Type: **not specified**

Investigations of the position resolution of Gd-GEM detectors

Presenter: PFEIFFER, Dorothea (CERN)

Contribution ID: 83

Type: **not specified**

Microscopic simulation of Xenon-based gaseous optical TPCs in the presence of molecular additives

Presenters: AZEVEDO, Carlos (University of Aveiro); GONZALEZ DIAZ, Diego (Uludag University (TR))

Contribution ID: 84

Type: **not specified**

Timing Performance of A-PIC at High Rate

Presenter: GARCIA FUENTES, Francisco Ignacio (Helsinki Institute of Physics (FI))

Contribution ID: **85**

Type: **not specified**

SRS electronics in 2016

Presenter: MULLER, Hans

Contribution ID: **86**

Type: **not specified**

Status of VMM3 ASIC

Presenters: IAKOVIDIS, George (Brookhaven National Laboratory (US)); POLYCHRONAKOS, Venetios (Brookhaven National Laboratory (US))

Contribution ID: 87

Type: **not specified**

VMM and the SRS - update

Summary

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

Contribution ID: **88**

Type: **not specified**

SRS Purchase licences for teams

Presenter: SANTOS RODRIGUES DE ARAUJO, Tiago Sergio (FCT Fundacao para a Ciencia e a Tecnologia (PT))

Contribution ID: 89

Type: **not specified**

Production issues with Bulk Micromegas for the CLAS12 experiment.

Presenter: VANDENBROUCKE, Maxence (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

Contribution ID: **90**

Type: **not specified**

MPGD production at Cern

Presenter: DE OLIVEIRA, Rui (CERN)

Contribution ID: 92

Type: **not specified**

A progress report on the analysis of pico-MM test beam data

Summary

Presenter: TZAMARIAS, Spyros (Aristotle University of Thessaloníki (GR))

Contribution ID: 93

Type: **not specified**

Triggerable and time-tagged X-ray generator

Presenter: RESNATI, Filippo (CERN)

Contribution ID: 94

Type: **not specified**

Polyimide etching studies in GEMs under Cu X-Ray irradiation

Presenter: ZAVAZIEVA, Darina

Contribution ID: 95

Type: **not specified**

PICOSEC, a timing study

Presenter: Dr WHITE, Sebastian (CERN/Princeton University (US))

Contribution ID: **143**

Type: **not specified**

EP department R&D programme on new Detector Technologies

Thursday 22 February 2018 10:00 (20 minutes)

Presenter: JORAM, Christian (CERN)

Session Classification: CERN EP R&D on Experimental Technologies

Contribution ID: 144

Type: **not specified**

EP-RD-ET WG2: Gaseous Detector

Thursday 22 February 2018 10:20 (20 minutes)

Presenters: REMBSER, Christoph (CERN); OLIVERI, Eraldo (CERN)

Session Classification: CERN EP R&D on Experimental Technologies

Contribution ID: **145**

Type: **not specified**

Discussion

Thursday 22 February 2018 10:40 (20 minutes)

Session Classification: CERN EP R&D on Experimental Technologies

Contribution ID: 146

Type: **not specified**

ARIADNE: A photographic 1-ton two phase LAr Detector

Tuesday 20 February 2018 09:00 (20 minutes)

Presenter: MAVROKORIDIS, k (University of Liverpool (GB))

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: 147

Type: **not specified**

Performance and results from the 3x1x1 dual phase LAr TPC

Tuesday 20 February 2018 09:20 (20 minutes)

Presenter: MOLINA BUENO, Laura (Eidgenoessische Technische Hochschule Zuerich (ETHZ) (CH))

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: 148

Type: **not specified**

Mitigation of the secondary (propagated) discharges in GEM stacks by HV scheme optimisation

Tuesday 20 February 2018 09:40 (20 minutes)

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

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: **149**

Type: **not specified**

Status of the GE1/1 production for CMS

Tuesday 20 February 2018 10:30 (20 minutes)

Presenter: Dr MERLIN, Jeremie Alexandre (CERN)

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: **150**

Type: **not specified**

Status of the ALICE TPC upgrade

Tuesday 20 February 2018 11:10 (30 minutes)

Presenter: BALL, Markus (University of Bonn (DE))

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: **151**

Type: **not specified**

Gain stability and charging-up phenomena in THGEM-based detectors

Tuesday 20 February 2018 14:00 (20 minutes)

Summary

Presenter: PITT, Michael (Weizmann Institute of Science (IL))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **152**

Type: **not specified**

Chromium GEM detector - news from AGH

Tuesday 20 February 2018 14:20 (20 minutes)

Summary

Presenter: MINDUR, Bartosz (AGH University of Science and Technology (PL))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 153

Type: **not specified**

ME0 aging test status and update

Tuesday 20 February 2018 15:30 (20 minutes)

Presenter: FALLAVOLLITA, Francesco (Università e INFN Pavia)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 154

Type: **not specified**

Discharge effect in GEMs status and update

Tuesday 20 February 2018 15:50 (20 minutes)

Presenters: MERLIN, Jeremie Alexandre (CERN); THUINER, Patrik (CERN)

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: 155

Type: **not specified**

Update on GE21 and ME0 projects

Tuesday 20 February 2018 10:50 (20 minutes)

Presenter: BIANCO, Michele (CERN)

Session Classification: WG1Technological Aspects and Development of New Detector Structures

Contribution ID: **156**

Type: **not specified**

The electric field in the T2K TPC

Wednesday 21 February 2018 09:00 (20 minutes)

Presenter: MAGALETTI, Lorenzo (Universita e INFN, Bari (IT))

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

Contribution ID: 157

Type: **not specified**

Alternative gas mixtures for LCTPC: Ar-CF₄-C₂H₆

Wednesday 21 February 2018 09:20 (30 minutes)

Presenter: CORTEZ, Andre (Universidade de Coimbra (PT))

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

Contribution ID: **158**

Type: **not specified**

Fabrication of GEM foils in Mecaro (Korea) for the CMS GEM projects

Wednesday 21 February 2018 14:00 (20 minutes)

Presenter: YOON, Inseok (Seoul National University (KR))

Session Classification: WG6 - Production and Industrialization

Contribution ID: **159**

Type: **not specified**

Building 107 Visit

Wednesday 21 February 2018 14:20 (2 hours)

Presenter: DE OLIVEIRA, Rui (CERN)

Session Classification: WG6 - Production and Industrialization

Contribution ID: **160**

Type: **not specified**

Kapton readout and chromium GEMs tests for a thin GEM detector for the MAGIX experiment

Tuesday 20 February 2018 14:40 (20 minutes)

Presenter: CAIAZZA, Stefano (Johannes Gutenberg Universitaet Mainz (DE))

Session Classification: WG2 - Detector Physics and Performance

Contribution ID: **161**

Type: **not specified**

News an status on VMM SRS hybrid

Monday 19 February 2018 15:00 (30 minutes)

Presenter: LUPBERGER, Michael (CERN)

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **162**

Type: **not specified**

APIC, a NIM crate in a small box

Monday 19 February 2018 15:30 (30 minutes)

Presenter: MULLER, Hans

Session Classification: WG5 - Electronics for MPGD

Contribution ID: **163**

Type: **not specified**

Interfacing Geant4, Garfield++ and Degrad

Wednesday 21 February 2018 09:50 (20 minutes)

Presenters: PFEIFFER, Dorothea (CERN); DE KEUKELEERE, Lennert (KU Leuven)

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

Contribution ID: **164**

Type: **not specified**

News

Thursday 22 February 2018 09:00 (5 minutes)

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

Session Classification: WG7 - Common Test Facilities

Contribution ID: **165**

Type: **not specified**

Trieste

Thursday 22 February 2018 09:05 (5 minutes)

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

Session Classification: WG7 - Common Test Facilities

Contribution ID: **166**

Type: **not specified**

SCREAM

Thursday 22 February 2018 09:20 (5 minutes)

Presenters: SHAKED, Dan (Weizmann Institute of Science (IL)); CHEFDEVILLE, Maximilien (Centre National de la Recherche Scientifique (FR)); BRESSLER, Shikma (Weizmann Institute of Science (IL))

Session Classification: WG7 - Common Test Facilities

Contribution ID: **167**

Type: **not specified**

LNF

Thursday 22 February 2018 09:10 (5 minutes)

Presenters: MORELLO, Gianfranco (LNF); BENCIVENNI, Giovanni (Istituto Nazionale Fisica Nucleare Frascati (IT)); POLI LENER, Marco (INFN e Laboratori Nazionali di Frascati (IT))

Session Classification: WG7 - Common Test Facilities

Contribution ID: **168**

Type: **not specified**

USTC

Thursday 22 February 2018 09:30 (5 minutes)

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

Session Classification: WG7 - Common Test Facilities

Contribution ID: **169**

Type: **not specified**

PICOSEC

Thursday 22 February 2018 09:25 (5 minutes)

Summary

Presenters: SOHL, Lukas (Ruhr-Universitaet Bochum (DE)); PAPADEVANGELOU, Thomas (CEA/IRFU, Centre d'etude de Saclay Gif-sur-Yvette (FR)); IGUAZ GUTIERREZ, Francisco Jose (IRFU/CEA-Saclay); OLIVERI, Eraldo (CERN); TZAMARIAS, Spyros (Aristotle University of Thessaloniki (GR))

Session Classification: WG7 - Common Test Facilities

Contribution ID: 170

Type: **not specified**

Small Pad Resistive micromegas

Thursday 22 February 2018 09:55 (5 minutes)

Presenters: DELLA PIETRA, Massimo (Universita e INFN, Napoli (IT)); DELLA PIETRA, Massimo (Universita e sezione INFN di Napoli (IT)); IODICE, Mauro (INFN - Sezione di Roma Tre)

Session Classification: WG7 - Common Test Facilities

Contribution ID: **171**

Type: **not specified**

FTM

Thursday 22 February 2018 09:40 (5 minutes)

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

Session Classification: WG7 - Common Test Facilities

Contribution ID: **172**

Type: **not specified**

R-PHI

Thursday 22 February 2018 09:45 (5 minutes)

Presenters: FANOURLAKIS, Georgios (Nat. Cent. for Sci. Res. Demokritos (GR)); TZAMARIAS, Spyros (Aristotle University of Thessaloníki (GR))

Session Classification: WG7 - Common Test Facilities

Contribution ID: **173**

Type: **not specified**

HFS

Thursday 22 February 2018 09:35 (5 minutes)

Presenter: WHITE, Sebastian (CERN/Princeton University (US))

Session Classification: WG7 - Common Test Facilities

Contribution ID: **174**

Type: **not specified**

GDD/ESS VMM

Thursday 22 February 2018 09:50 (5 minutes)

Presenter: LUPBERGER, Michael (CERN)

Session Classification: WG7 - Common Test Facilities

Contribution ID: 175

Type: **not specified**

Kobe

Thursday 22 February 2018 09:15 (5 minutes)

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

Session Classification: WG7 - Common Test Facilities