

Session Program

11-16 Dec 2022

Micro Pattern Gas Detectors 2022

Poster session + Wine & Beer

Tuesday 13 December

16:30

Poster session + Wine & Beer

Session | **Location:** Weizmann Institute of Science, Rehovot, Israel

16:30-16:33

Avalanche Gain and Its Effect on Energy Resolution in GEM-based Detectors

Speaker

Tom Thorpe

16:33-16:36

Soft X-ray Performance Studies of GEM Detectors with Reduced Copper Content

Speaker

Bartosz Mindur

16:36-16:39

Development and test of the Micromegas detector prototype and its readout electronics for the AMBER experiment at CERN

Speaker

Chiara Alice

16:39-16:42

Puzzling time properties of electroluminescence in two-phase argon detector with THGEM readout

Speaker

Ekaterina Borisova

16:42-16:45

Status of the construction of an experiment for the measurement of angular correlation between light charged particles

Speaker

Hugo Natal Da Luz

16:45-16:48

Algebraic methods for reconstruction of coordinates in strip detectors

Speaker

Igor Smirnov

16:48-16:51

Production and characterization of random electrode sectorization in GEM foils

Speaker

Michele Bianco

16:51-16:54

GADGET - a Gaseous Detector with Germanium Tagging

Speaker

Moshe Friedman

16:54-16:57**Accelerated longevity test of Resistive Micromegas detectors operated with and without small amount of hydrocarbons.****16:57-17:00****Reconstruction and trigger performance studies of Micromegas detectors for the ATLAS New Small Wheel project****17:00-17:03****Configuration and Calibration of the Front-End Electronics of the ATLAS New Small Wheel Micromegas Detectors****17:03-17:06****uRANIA: a micro-Resistive WELL for neutron detection****Speaker**

Riccardo Farinelli

17:06-17:09**The high voltage system the novel MPGD-based photon detectors of COMPASS RICH-1 and its development towards a scalable HVPSS for MPGDs****Speaker**

Dr Stefano Levorato

17:09-17:12**Intelligent analysis of element distribution maps acquired with a full-field XRF imaging spectrometer****Speaker**

Tomasz Andrzej Fiutowski

17:12-17:15**Cluster Ions in Ne-CO₂ gas mixture****Speaker**

Dr Yalcin Kalkan

17:15-17:18**A new gaseous UV detector design****Speaker**

Dr Yalcin Kalkan

17:18-17:21**Research on fast grounding simulation method for the MPGD with resistive layer****Speaker**

Zhujun Fang

17:21-17:24**A KiCad toolbox for particle detector design****Speaker**

Aude Marie Grabas

17:24-17:27**New Resistive Materials for cryogenic operation of particle detectors****Speaker**

Olano Vegas-Galician

17:27-17:30**Development of a Multi-layer Boron-coated GEM detector for slow neutron detection at spallation sources**

Speaker

Stephanie Cancelli

17:30-17:33

New technique of ion identification in Accelerator Mass Spectrometry using low-pressure TPC with GEM readout**Speaker**

Tamara Shakirova

17:33-17:36

Missing data reconstruction using CNN in the gaseous TPC PandaX-III experiment**Speaker**

Andrii Lobasenko

17:36-17:39

Preliminary analyses of X-Rays from vacuum discharges during HV conditioning experiments at HVPTF with a GEM detector**Speaker**

Federico Caruggi

17:39-17:42

Electroluminescence in He/CF₄ and hydrocarbons gas mixtures for directional dark matter searches with the CYGNO Optical Time Projection Chamber**Speaker**

Fernando Amaro

17:42-17:45

The SAMPA-SRS integrated readout for radiation gaseous detectors.**Speaker**

Mr Geovane Grossi Araujo de Souza

17:45-17:48

Studying the impact of humidity on the performance of MPGDs**Speaker**

Henrik Fribert

17:48-17:51

The novel XYU-GEM for ambiguity reduced tracking**Speaker**

Karl Jonathan Floethner

17:51-17:54

Effect of Multiple Discharges on Accumulated Damage to the DLC Anode Layer of a Resistive Well Electron Multiplier**Speaker**

Konstantin Afanaciev

17:54-17:57

HYDRA-TPC with a hybrid GEM-Micromegas detector**Speaker**

Liancheng Ji

17:57-18:00

A Segmental 2D readout board for GEM detectors**Speaker**

Michał Babij

18:00-18:03

Development of miniaturized circuit boards for GEM detectors onboard the CubeSat X-ray observatory NinjaSat**Speaker**

Naoyuki Ota

18:03-18:06

Primary Scintillation in Argon-CF4 mixtures**Speaker**

Pablo Amedo Martinez

18:06-18:09

Investigation of the uniformity in performance of a single mask triple GEM chamber**Speakers**

Mr Sayak Chatterjee, Sayak Chatterjee

18:09-18:12

Performance study of novel micro-Resistive WELL (uRWELL) detector in different gas mixtures and geometries**Speaker**

Soham Chakraborty

18:12-18:15

Spark detection at sPHENIX TPC**Speaker**

Tamás Majoros

18:15-18:18

Detectors and electronics for high precision measurements of thermal neutrons**Speaker**

Thomas Block

18:18-18:21

DLC Surfaces for Photon Detection with THGEMs**Speaker**

Thomas Klemenz

18:21-18:24

Discharge Consortium in quest for Spark-Less-Avalanche-Microstructures**Speaker**

Tobias Yannick Waldmann

18:24-18:27

Gas selection for Xe-based LCP-GEM detectors onboard the CubeSat X-ray observatory NinjaSat**Speaker**

Tomoshi Takeda

18:27-18:30

Further optimization studies of Resistive Plate WELL detector**Speaker**

Darina Zavazieva

18:30-20:30

Fabrication, characterization and charging up studies of THick Gas Electron Multipliers

20:30

Speaker

Nayana Majumdar

Thursday 15 December

13:30

15:30

Poster session + Wine & Beer

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