

## **Session Program**

**31 August 2026 to 4 September 2026**



The 9th International Conference on  
Micropattern Gaseous Detectors



Institute of Experimental and Applied Physics  
Czech Technical University in Prague



## **MPGD 2026**

### ***Plenary Session***

Masarykova Kolej Congress Centre, Czech Technical University in Prague  
Thákurova 550/1, 160 41 Prague 6

# Monday 31 August

10:25

## Plenary Session

**Session** |

**Location:** Masarykova Kolej Congress Centre, Czech Technical University in Prague, Thákurova 550/1, 160 41 Prague 6

10:25–10:45

### Development of the FATIC front-end electronics for the Muon detector at the LHCb Upgrade II

**Speaker**

Dr Liliana Congedo

10:45–11:05

### The Stabilized Voltage Divider - A Rate-Capable HV-Scheme for GEMs

**Speaker**

Jakob Quentin Krauss

11:05

11:25

## Plenary Session: Plenary session

**Session** |

**Location:** Masarykova Kolej Congress Centre, Czech Technical University in Prague, Thákurova 550/1, 160 41 Prague 6

11:25–11:45

### Progress on the design and testing of the Lateral and Central modules of large area Micromegas for AMBER experiment

**Speaker**

Maxim Alexeev

11:45–12:05

### The SALSA versatile readout ASIC for MPGD detectors

**Speaker**

Damien Neyret

12:05–12:25

### Modular and scalable DAQ system for GEM detectors

**Speaker**

Bartłomiej Łach

12:25–12:45

### High Granularity Readout Time Projection Chamber R&D for Future Circular e+e- Collider

**Speaker**

Huirong Qi

12:45

14:40

## Plenary Session

**Session**

14:40–15:00

### Optical readout of MPGDs with SiPMs

**Speaker**

Florian Maximilian Brunbauer

15:00–15:20

### Optical time projection chamber measurements with an intensified sCMOS camera

**Speaker**

Dr Lindsey Bignell

15:20–15:40

**Optimization of optical readout micromegas detectors for spatial resolution with X-rays and beta imaging****Speaker**

Elisavet Fasoula

15:40–16:00

**Optical Readout of Particle Beam Profile with MPGD****Speaker**

Bernd Schoenfelder

16:00

16:50

**Plenary Session****Session****Location:** Masarykova Kolej Congress Centre, Czech Technical University in Prague, Thákurova 550/1, 160 41 Prague 6

16:50–17:10

**Studies on the effects of THGEM rim-width on charge accumulation and avalanche to streamer transition by numerical modelling****Speakers**

Abhijit Pal, PURBA BHATTACHARYA

17:10–17:30

**Experimental and Numerical Studies of Resistive and Non-Resistive Micromegas for Muon Imaging****Speakers**

Shubhabrata Dutta, Saikat Ghosh

17:30–17:50

**Development of a large area DMM-based photodetector for the RICH detector in STCF****Speaker**

Xu Wang

17:50–18:10

**PICOSEC Timing with Graph Neural Networks****Speaker**

Ioannis Karakoulias

18:10–18:30

**Simulation and Reconstruction of  $e^+$  and  $e^-$  Trajectories in a Time Projection Chamber with Orthogonal Fields****Speaker**

Martin Vavřík

18:30

## Tuesday 1 September

09:40

### Plenary Session: Plenary session I Session

09:40–10:00

#### A new design of secondary electron detector for low-energy radioactive ion beam

##### Speaker

Julien PANCIN

10:00–10:20

#### Low pressure and low energy studies of $\mu$ -RWELL in planar and cylindrical geometries

##### Speaker

Soham Chakraborty

10:20–10:40

#### Developments for Spherical Proportional Counters

##### Speaker

Philippe Gros

10:40

11:30

### Plenary Session: Plenary session II

#### Session

**Location:** Masarykova Kolej Congress Centre, Czech Technical University in Prague, Thákurova 550/1, 160 41 Prague 6

11:30–11:50

#### $\mu$ -RWELL R&D activities for the IDEA muon system at FCC-ee

##### Speaker

Emma Di Fiore

11:50–12:10

#### Performance of cylindrical $\mu$ RGroove in magnetic field

##### Speaker

Qixuan Huang

12:10–12:30

#### The CGEM-IT detector of the BESIII experiment

##### Speaker

Michela Greco

12:30–12:50

#### Micromegas Performance in the ATLAS Muon Spectrometer New Small Wheel: First Four Years of Operation

##### Speaker

Valerio D'Amico

12:50

14:40

### Plenary Session: MPGD technologies

#### Session

14:40–15:00

#### The G-RWELL: a high-rate resistive MPGD for the LHCb Upgrade II Muon system

**Speaker**  
Francesco Debernardis

15:00–15:20

**Performance of the Full-scale Prototype for ePIC's G-RWELL Endcap Tracker**

**Speaker**  
Elena Sidoretti

15:20–15:40

**An Overview of Large-area MPGDs for Upcoming Physics Programs at Jefferson Lab**

**Speaker**  
Prof. Huong Nguyen

16:20

## Wednesday 2 September

09:40

### Plenary Session: Plenary session V Session

09:40–10:00 **The CYGNO experiment**

**Speaker**

Stefano Piacentini

10:00–10:20 **Gas Pixel MPGD for Migdal Effect Observation**

**Speaker**

Qian Liu

10:20–10:40

**TREX-DM: a TPC with GEM+Micromegas detection system for low mass WIMP searches**

**Speaker**

Ana Quintana García

10:40–11:00

**Status of C/N-1.0: Large gaseous detector for direction-sensitive dark matter search**

**Speaker**

Ryota Namai

11:00

11:20

### Plenary Session: Plenary session VI Session

11:20–11:40

**Development of a hadronic calorimeter read out by resistive micro-pattern gaseous detector for future collider experiments**

**Speaker**

Antonello Pellecchia

11:40–12:00 **The Micromega detectors of the PADME experiment**

**Speaker**

Fabio Bossi

12:00–12:20 **Performance of the new T2K High Angle TPCs**

**Speaker**

Daniele D'Ago

12:20–12:40

**Double Micro-Mesh (DMM) detectors for low-pressure TPC applications in the direct measurement of  $^{12}\text{C}+^{12}\text{C}$  reaction at stellar energies**

**Speaker**

Prof. Zhiyong Zhang

12:40

14:40

## Plenary Session: Simulation and software

Session

14:40–15:00

### Micro-Pattern Gas Detectors for Low-Energy Nuclear Physics: Status and Prospects at FRIB

**Speaker**

Marco Cortesi

15:00–15:20

### $\mu$ RWELL detectors for the MUSHROOM spectrometer at ISIS

**Speaker**

Davide Raspino

15:20–15:40

### A prototype neutron spectrometer based on MICROMEGAS detector for solar physics

**Speaker**

Prof. Paolo Maestro

15:40–16:00

### Gaseous Detectors for Hard X-ray Polarimetry: from EXPO to Wide-Field Hard X-ray TPCs

**Speakers**

Davide Fiorina, Stefano Piacentini

16:00

16:50

## Plenary Session: Electronics

Session

16:50–17:10

### Quality Management for the Mass-production of GEM Foil

**Speaker**

Dr Dong Hyun Kim

17:10–17:30

### From CMS GEM Mass Production to microRWELL R&D: Status of the Korean MPGD Infrastructure

**Speaker**

Inseok Yoon

17:30–17:50

### Suppressing GEM-Foil Creep-Induced Gain Nonuniformity in the NinjaSat-2 LCP-GEM Detector

**Speaker**

Satoko Iwata

17:50–18:10

### New developments in MPGD manufacturing with the MPT Magnetron Sputtering Machine

**Speaker**

Karl Jonathan Floethner

18:10-18:30

**Development of Large-Area Resistive Micromegas Detectors for the MX17 Experiment at n\_TOF**

**Speaker**

Stephan Aune

18:30

# Thursday 3 September

09:40

## Plenary Session: Plenary session VIII

**Session** |

**Location:** Masarykova Kolej Congress Centre, Czech Technical University in Prague, Thákurova 550/1, 160 41 Prague 6

09:40–10:00

### Development of wavelength-shifting MPGD structures for ultra-cold Argon applications

**Speaker**

Mr Diego Rodas Rodríguez

10:00–10:20

### Advances in photocathode development for PICOSEC Micromegas precise-timing detectors

**Speaker**

Marta Lisowska

10:20–10:40

### Visible light gas-PMT based on triple Micromegas

**Speaker**

Kunyu Liang

10:40

11:30

## Plenary Session: Plenary session IX

**Session** |

**Location:** Masarykova Kolej Congress Centre, Czech Technical University in Prague, Thákurova 550/1, 160 41 Prague 6

11:30–11:50

### Study of a new ecofriendly gas mixture for the PICOSEC-Micromegas detector

**Speaker**

Matteo Brunoldi

11:50–12:10

### CF4 Reduction Studies for $\mu$ RWELL Detectors

**Speaker**

Stefania Juks

12:10–12:30

### Searching for X17 at $n_{\text{TOF}}$ with Large Area Micromegas Detectors in $\mu$ TPC Mode

**Speaker**

Dylan Neff

12:30–12:50

### Performance of Low-Material Budget Metallic Micromegas Trackers for the P2 Experiment

**Speaker**

Alexandra Kallitsopoulou

12:50

## Friday 4 September

09:40

### Plenary Session: Plenary session XII

**Session** |

**Location:** Masarykova Kolej Congress Centre, Czech Technical University in Prague, Thákurova 550/1, 160 41 Prague 6

09:40–10:00

#### Development of a charge-sharing Micromegas detector with a pixel-strip hybrid readout

**Speaker**

Eshita Vinay Kumar

10:00–10:20

#### A Monolithic Gas Pixel Detector with on On-Chip Micro-Gap Amplification

**Speaker**

Luca Baldini

10:20–10:40

#### $\mu$ -RWELL Technology: Practical Rules for Design, Manufacturing and Safe Operation

**Speaker**

Marco Poli Lener

10:40

11:00

### Plenary Session: Plenary session XIII

**Session** |

**Location:** Masarykova Kolej Congress Centre, Czech Technical University in Prague, Thákurova 550/1, 160 41 Prague 6

11:00–11:20

#### Development of GEM-based detectors to study of X-rays emission during in-vacuum discharges at the High Voltage Padova Test Facility

**Speaker**

Gabriele Croci

11:20–11:40

#### Construction and test of a $\mu$ RGroove based transition radiation detector prototype

**Speaker**

Guofeng Song

11:40–12:00

#### The MultiStrip Proportional Chamber: a MWPC-inspired new detector based on MPGD techniques

**Speaker**

Matteo Giovannetti

12:00