

Session Program

7-10 Oct 2025



CPAD 2025 at Penn

RDC 6 Gaseous Detectors

Inn at Penn, University of Pennsylvania
3600 Sansom Street, Philadelphia, Pa 19104

Wednesday 8 October

11:00

RDC 6 Gaseous Detectors

Session | **Location:** Inn at Penn, University of Pennsylvania, 3600 Sansom Street, Philadelphia, Pa 19104

11:00-11:20

Research and Development efforts towards a Carbon-Fiber Wire Drift Chamber

Speaker

Caden Glenn

11:20-11:40

A straw tracker for FCC-ee experiments

Speaker

Junjie Zhu

11:40-12:00

A High-Precision, Fast, Robust, and Cost-Effective Muon Detector for the FCC-ee

Speaker

Jianming Qian

12:00-12:20

Embedded ML Solutions for Real-time Processing in Future Drift Chamber Detectors

Speaker

Liangyu Wu

12:30

14:00

RDC 6 Gaseous Detectors

Session | **Location:** Inn at Penn, University of Pennsylvania, 3600 Sansom Street, Philadelphia, Pa 19104

14:00-14:20

A High-Pressure Gaseous-Argon TPC R&D Effort for Neutrinos and Rare Events: Simulation Studies

Speaker

Brenna McConnell

14:20-14:40

Electronics testing and development for high-pressure argon-based detectors

Speaker

Francisco Martínez López

14:40-15:00

Triple-GEM Characterization for High-Pressure Gas Argon-Based Operation

Speaker

Tanaz Mohayai

15:00-15:20

Development of a scaleable 40L gaseous TPC module with micromegas strip readout for directional reconstruction of low-energy nuclear recoils

Speaker

Michael Litke

15:20-15:40

Improvements on directional nuclear recoil measurements with BEAST TPCs

Speaker

Shashank Jayakumar

15:40-16:00

Development of an Ideal Gaseous TPC Detector

Speaker

Tanner Polischuk

16:00

Thursday 9 October

11:00

RDC 6 Gaseous Detectors

Session | **Location:** Inn at Penn, University of Pennsylvania, 3600 Sansom Street, Philadelphia, Pa 19104

11:00-11:20

Development of Thin Gap GEM- μ RWELL Hybrid Detectors at Jefferson Lab

Speaker

Kondo Gnanvo

11:20-11:40

Plans for EIC generic R&D based on MPGD technology

Speaker

Sourav Tarafdar

11:40-12:00

Design and production of GEM modules for the MOLLER experiment

Speaker

James Shirk

12:00-12:20

Large-area MPGDs for Physics Experiments at Jefferson Lab

Speaker

Huong Nguyen

12:30