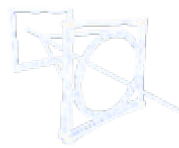


## **Session Program**

**Sep 15 - 19, 2025**



# **XII International Workshop on Ring Imaging Cherenkov Detectors - RICH2025**

## **Poster Session**

# Mon, September 15

3:50 PM

## Poster Session

**Session** | **Location:** Hotel Erbacher Hof Grebenstraße 24-26 55116 Mainz, Germany

3:50 – 4:50 PM

### CBM RICH ring reconstruction using machine learning

#### Speaker

Martin Beyer

3:50 – 4:50 PM

### The mRICH detector for the mCBM prototype Experiment

#### Speaker

Abhishek Anil Deshmukh

3:50 – 4:50 PM

### Research on High-Precision Time-Resolved Detectors Coupled with fast Scintillation Crystals and fast PMTs

#### Speaker

Cong Guo

3:50 – 4:50 PM

### The FastRICH ASIC for next-generation RICH detectors

#### Speaker

Floris Keizer

3:50 – 4:50 PM

### A compact Cherenkov detector for measurement of the high energy anti deuteron flux in cosmic rays

#### Speaker

Federico Testa

3:50 – 4:50 PM

### spadRICH: Developing Digital Analog SiPMs as Candidate Photodetectors for Future RICH Detectors

#### Speaker

Rok Dolenec

3:50 – 4:50 PM

### A cryogenic RICH detector demonstrator for SiPM operation with integrated flex-PCB electronics

#### Speaker

Lorenzo Malentacca

3:50 – 4:50 PM

### Characterisation of a Novel Photodetector Configuration for Water Cherenkov Detectors

#### Speaker

Jazmin Stewart

3:50 – 4:50 PM

### Rate capability and transient gain drop of an single photon timing detector

**Speaker**

Amelia Markfort

3:50 – 4:50 PM

**MCP-PMT Innovations at Incom****Speaker**

Mark Popecki

3:50 – 4:50 PM

**Simulation Study for Particle Identification with the dRICH of the ePIC Experiment at the EIC****Speaker**

Mr Tiziano Boasso

3:50 – 4:50 PM

**Aerogel characterization for RICH applications****Speaker**

Giacomo Volpe

3:50 – 4:50 PM

**First results from a full-scale TORCH prototype****Speaker**

Marion Lehuraux

3:50 – 4:50 PM

**Performance degradation of SiPM sensors under various irradiation fields and recovery via high-temperature annealing****Speaker**

Cristina Ripoli

3:50 – 4:50 PM

**The “xpDIRC” Concept for the Next-Generation DIRC Detector****Speaker**

Roman Dzhygadlo

3:50 – 4:50 PM

**Two-Stage Gamma-Neutron Source Classification in Water Cherenkov Detectors: Energy Threshold Screening and Machine Learning Pulse Analysis****Speaker**

Christian Sarmiento-Cano

3:50 – 4:50 PM

**Development of a Gas/Aerogel Dual-Radiator RICH Detector for the J-PARC MARQ Spectrometer Using Sipm Technology****Speaker**

Ken Suzuki

3:50 – 4:50 PM

**CaAliMon: In-Situ Rayleigh-Scattering based Calibration Alignment and Monitoring system for the future LHCb RICH upgrades****Speakers**

Roberta Cardinale, Viacheslav Duk, alessandro petrolini

3:50 – 4:50 PM

**Development of a Gaseous Photomultiplication Based Cherenkov Detector Targeting Picosecond Time Resolution**

**Speaker**

Koichi Ueda

3:50 – 4:50 PM

**Muon Decay as a Robust Long-Term Calibration Method for Water Cherenkov Detectors****Speaker**

Dr Christian Sarmiento-Cano

3:50 – 4:50 PM

**ALCOR: a SiPM readout chip for the ePIC-dRICH detector at the EIC****Speaker**

Roberto Preghenella

3:50 – 4:50 PM

**Large Area Picosecond Photodetector for the Upgrade II of the LHCb RICH****Speaker**

Daniel Foulds-Holt

3:50 – 4:50 PM

**Performance Evaluation of a Ring Imaging Cherenkov Detector with High-Momentum hadron beams at J-PARC****Speaker**

Taiga Toda

3:50 – 4:50 PM

**Optimized optical design of the LHCb RICH detectors for Upgrade-II****Speaker**

Elisabetta Spadaro Norella

3:50 – 4:50 PM

**Water Cherenkov Detectors in Precision Agriculture: A Novel Approach for High-Resolution Soil Moisture Monitoring****Speaker**

Christian Sarmiento-Cano

3:50 – 4:50 PM

**Mirror System and Mirror Alignment Monitoring of the CBM RICH Detector****Speaker**

Sven Peter

3:50 – 4:50 PM

**Conceptual Design of PID Detectors for the EicC Spectrometer****Speaker**

Xin Li

3:50 – 4:50 PM

**The LS3 Enhancement of the RICH detectors****Speaker**

Vlad-Mihai Placinta

3:50 – 4:50 PM

**High-Precision Timing Characterization of MCP-PMT Using Front-End ASIC and TDC ASIC****Speaker**

Cong Guo

3:50 – 4:50 PM

**Characterization of Aerogel Radiators for RICH Detectors Using Optical Coherence Tomography****Speaker**

Avani Bhardwaj

3:50 – 4:50 PM

**The AdvCam project: Designing the future cameras for the Large-Sized Telescopes of the Cherenkov Telescope Array Observatory****Speaker**

Cornelia Arcaro

3:50 – 4:50 PM

**High-Count-Rate Saturation Behavior in MCP-PMT: An Experimental Study****Speaker**

Kuinian Li

3:50 – 4:50 PM

**Performance evaluation in different environments of the MCP-PMT for the TOP counter in the Belle II experiment****Speaker**

Ryotaro Komori

3:50 – 4:50 PM

**SiPM-based RICH detector at an upgraded Compressed Baryonic Matter experiment****Speaker**

Jesus Pena Rodriguez

3:50 – 4:50 PM

**Studies for the Upgrade of Belle II Aerogel RICH****Speaker**

Shunsuke KUROKAWA

3:50 – 4:50 PM

**R&D of Fast Timing MCP-PMT with PbF2 Window****Speaker**

Cong Guo

3:50 – 4:50 PM

**MANTRA: Measuring anti-neutron energy with the TOP counter of Belle II****Speaker**

Dr Shanette De La Motte

3:50 – 4:50 PM

**iactsim: a CUDA-accelerated simulation framework for IACTs****Speaker**

Davide Mollica

3:50 – 4:50 PM

**Characterization of SiPMs for the LHCb RICH Detectors Upgrade-II****Speaker**

marco guarise

4:50 PM