

Session Program

25-29 Sept 2023

**16th Topical Seminar on Innovative Particle
and Radiation Detectors (IPRD23)**

Poster session

Siena (Italy)

Tuesday 26 September

18:30

Poster session: wine and cheese

Session | **Location:** Siena (Italy)

18:56–18:58

Development of a Modular Flame Detection System for Early Fire Detection in Large Areas

Speaker

Yalcin Kalkan

18:58–19:00

Overview of the ATLAS High-Granularity Timing Detector: project status and results

Speaker

Marion Missio

19:00–19:02

Serial Powering Characterisation for the CMS Inner Tracker at HL-LHC

Speaker

Rudy Ceccarelli

19:02–19:04

Time calibration and synchronization of the scintillation light detection system in ICARUS-T600

Speaker

Gianluca Raselli

19:04–19:06

Design of the CMS High Granularity Calorimeter trigger primitive generator system

Speaker

Isaac Ehle

19:06–19:08

Test and performance of the CMS ECAL barrel data conversion and digital processing ASIC for HL-LHC

Speaker

Cecilia Borca

19:08–19:10

New IceTop Trigger in the context of the planned IceCube Surface Detector Enhancement at the South Pole

Speaker

Ek Narayan Paudel

19:10–19:12

Design, construction and qualification tests of the Mu2e crystal calorimeter

Speaker

Franco Spinella

19:14–19:16

An automated object detection for muon tomography data analysis**Speaker**

Anzori Georgadze

19:16–19:18

Characterisation of a low-momentum high-rate muon beam monitor for the FAMU experiment at RIKEN-RAL**Speaker**

Riccardo Rossini

19:18–19:20

A Portable MUON Track Detection System Based on Position Resolution Sealed MRPC**Speaker**

Daming Liu

19:20–19:22

Long term aging studies of the new PMTs used for the HL-LHC ATLAS hadron calorimeter upgrade**Speaker**

Sandra Leone

19:22–19:24

SiPM and Readout Electronics for the JUNO-TAO Central Detector**Speaker**

Carlo Venettacci

19:26–19:28

Beam diagnostics with silicon pixel detector array at PADME experiment**Speaker**

Svetoslav Ivanov

19:28–19:30

Experimental Setup for Optical Property Measurement in the VUV Region**Speaker**

Simone Copello

19:32–19:34

Thermal neutron detection based on resistive gaseous devices**Speaker**

Matteo Giovannetti

19:34–19:36

The MUonE DAQ: Online Track-finding and Event Selection in Hardware at 40 MHz**Speaker**

Matteo Magherini

19:38–19:40

Plastic scintillator fiber detectors for heavy ion trajectory reconstruction for the Super-FRS at FAIR**Speaker**

Martyna Czogalik

19:40–19:42

The ATLAS ITk Pixel Detector: the biggest challenges from design to construction

Speaker

Serafima Nechaeva

19:42–19:44

Design and commissioning of a Silicon Photomultiplier based dosimeter for Low Dose Rate (LDR) oncological brachytherapy**Speakers**

Aleksandr Burdyko, Giuliana Tomaciello

19:44–19:46

Protecting experimental data using custom-designed Firewall Hardware**Speaker**

Marco Grossi

19:46–19:48

Test and characterization of SiPMs for the upgrade of MEGII high resolution Timing Counter**Speaker**

Massimo Rossella

19:48–19:50

Trigger-DAQ and slow control systems installation and tests in the Mu2e experiment**Speaker**

Antonio Gioiosa

19:50–19:52

Hough Transform FPGA Solution for High Energy Physics Online Fast Tracking**Speaker**

Fabrizio Alfonsi

19:54–19:56

Radiation hardness and quality validation of On-Detector Electronics for the CMS Drift Tubes Upgrade**Speaker**

Antonio Bergnoli

19:56–19:58

Assessment of Adaptive Multi-Pinhole Collimators for Multi-Purpose SPECT**Speaker**

Ilker Ozsahin

19:58–20:00

Advanced Picosecond Precision RF Timer of keV Electrons**Speaker**

Simon Zhamkochyan

20:00–20:02

Evaluation of new scintillator crystals with multi-criteria decision-making methods for brain PET**Speaker**

Ilker Ozsahin

20:02–20:04

Heterostructured fast scintillators for HEP and medical applications

Speaker

Federica Simone

20:08–20:10

The XGIS instrument on board the THESEUS mission: Detector Principle and Read-out electronics

Speaker

Smiriti Srivastava

21:00