

Session Program

25-29 May 2026

**25th IEEE Real Time Conference - La Biodola,
Elba, Italy**

***Data Acquisition and Trigger Architectures -
PS***

La Biodola - Isola d'Elba (Italy)

Tuesday 26 May

11:25

Data Acquisition and Trigger Architectures - PS: A

Poster Session | Location: Hotel Hermitage, Elena Room

Design of the Global Timing Unit (GTU) for ePIC

Speaker

William Gu

Development of the IDROGEN White Rabbit system for SuperKEKB and future projects at KEK

Speaker

Hiroshi Kaji

FPGA-Accelerated Pattern Recognition for the ATLAS Event Filter at the HL-LHC

Speaker

Priya Sundararajan

CODA SRO DAQ with Real-Time Data Processing Components

Speaker

David Abbott

Development of a Coincidence Measurement System for Scattered and Decay Particles Using a Streaming DAQ and Digitizers

Speaker

Shotaro Maesato

Exploration on Quasi-Steady-State Real-Time Data Access for EAST Tokamak

Speaker

Ying Chen

A Heterogeneous Software Framework Design for the Full Software Trigger at CEPC

Speaker

xu zhang

Regional reconstruction of tracks for the ATLAS Event Filter using GPU accelerators

Speaker

Benjamin Michael Wynne

Timing and Slow Control backend for CMS Drift Tube On Board electronics

Speaker

Antonio Bergnoli

A versatile, high accuracy, pulsed measurement device

Speaker

Mario Jurcevic

Streaming Readout DAQ Systems for High-Luminosity Electron-Beam Experiments

Speaker
Fabio Rossi

Real Time Data Acquisition for Atmospheric muography based on the Thin Gap Chamber

Speakers
Ms Jia Dong, Ms Xiaohan Sun, Mr Xian Li, Mr changyu Li, Ms Yuying Li, Chengguang Zhu, Dr Kang Jia, Kun Hu

MicroTCA-based low latency data streaming and processing architecture using UDP offload and Time Sensitive Networking

Speaker
ALEJANDRO PIÑAS-HIGUERUELA

Design and Results of a Radiation Test System for SEE and TID Assessment of the VLAST-P CsI(Tl) Calorimeter Readout Electronics

Speaker
JiaAo Zhang

12:30

Thursday 28 May

11:25

Data Acquisition and Trigger Architectures - PS: B

Poster Session | Location: Hotel Hermitage, Elena Room

Partial restart of a distributed data acquisition system

Speaker

Yoichi Igarashi

A Packaged Streaming-Readout Data Acquisition System by the SPADI Alliance for Nuclear and Particle Physics Experiments

Speaker

Nobuyuki Kobayashi

Recent Results from CHILLAX Xenon-Doped Argon R&D

Speaker

Dr Adam Tidball

Light output parameterization and calibration of the CsI and LYSO scintillators operated at ACCULINNA-2 for detection of ions with $Z < 5$

Speaker

Ms A. Mai

Studies of track reconstruction performance in the ATLAS Event Filter for the HL-LHC

Speaker

Marco Aparo

Trigger and DAQ System for the MuEDM Experiment

Speaker

Carlo Veo

Data Processing Firmware of the Upstream Tracker for LHCb Run 3

Speaker

Carlos Abellan Beteta

FPGA based RDMA for BEE Readout

Speaker

Chang Xu

Implementation of an Acquisition and Monitoring Module Based on the PTPv2 Protocol on EAST

Speaker

Zuchao Zhang

Modular Ground Penetrating Radar Tomography System with a Combination of Star and Daisy Chain DAQ and Trigger Topologies with Picosecond Accuracy

Speaker

Dr Achim Mester

Supernova processing implementation of JUNO DAQ**Speaker**

Yimou Xiang

An integrated biasing power supply, control and acquisition system for large Langmuir probe arrays in cold plasmas**Speaker**

Mr Mattia Bevilacqua

Mu3e Online Event Selection on GPU**Speaker**

Chen Xie

FPGA based DAQ Readout Implementation for the CMS Electromagnetic Calorimeter at the High-Luminosity LHC**Speaker**

Piyush Kumar

BESIII Trigger Fast Control System Upgrade**Speaker**

xin cao

Design of a Full Trigger Data Readout Scheme for the BESIII MDC Sub-trigger System**Speaker**

Mr Haoxin Wang

A Modular FPGA-Based Free-Running Architecture for PET DAQ in Intraoperative Imaging**Speaker**

Giancarlo Sportelli

A TDC based ASIC readout for SiPM matrices for TOF-PET application**Speaker**

Nicola Belcari

12:30