

Streaming Readout Workshop SRO-XIII



Report of Contributions

Contribution ID: 51

Type: **not specified**

Status of nestDAQ development

Wednesday, December 10, 2025 11:10 AM (30 minutes)

Presenter: TAKAHASHI, Tomonori

Session Classification: SRO testbed

Contribution ID: 52

Type: **not specified**

Coda

Wednesday, December 10, 2025 1:10 PM (30 minutes)

Presenter: ABBOTT, David

Session Classification: SRO testbed

Contribution ID: 53

Type: **not specified**

The Experience with Streaming Readout in sPHENIX

Wednesday, December 10, 2025 1:40 PM (30 minutes)

Presenter: PURSCHKE, Martin

Session Classification: SRO testbed

Contribution ID: 54

Type: **not specified**

DAQ system of KM3NET and its computing model.

Wednesday, December 10, 2025 10:40 AM (30 minutes)

Presenter: GIORGIO, Emidio Maria (Istituto Nazionale di Fisica Nucleare)

Session Classification: SRO testbed

Contribution ID: 57

Type: **not specified**

Real-Time Analysis on Heterogeneous Architectures with Allen Core - LHCb and ePIC Use Cases

Tuesday, December 9, 2025 11:15 AM (30 minutes)

Presenter: DÍAZ LÓPEZ, Gonzalo (LPNHE)

Session Classification: SRO software 2

Contribution ID: 58

Type: **not specified**

The ePIC Streaming Orchestration Testbed

Tuesday, December 9, 2025 1:45 PM (30 minutes)

Presenter: WENAUS, Torre

Session Classification: SRO for EPIC

Contribution ID: 59

Type: **not specified**

JANA2

Tuesday, December 9, 2025 2:15 PM (30 minutes)

Session Classification: SRO for EPIC

Contribution ID: **60**

Type: **not specified**

Status of artemis development

Tuesday, December 9, 2025 9:15 AM (30 minutes)

Presenter: Dr OTA, Shinsuke (Center for Nuclear Study, the University of Tokyo)

Session Classification: SRO Software 1

Contribution ID: 61

Type: **not specified**

AMBER FriDAQ: from triggering to free running system

Tuesday, December 9, 2025 10:45 AM (30 minutes)

Presenter: KONOROV, Igor

Session Classification: SRO software 2

Contribution ID: 62

Type: **not specified**

Data and memory management, scheduling, and experience about using GPUs in ALICE online and offline

Tuesday, December 9, 2025 9:45 AM (30 minutes)

Presenter: ROHR, David

Session Classification: SRO Software 1

Contribution ID: 63

Type: **not specified**

Real-Time ML in High-Energy Physics: Ultra-Low-Latency Inference for Triggering and DAQ

Tuesday, December 9, 2025 11:45 AM (30 minutes)

Presenter: AARRESTAD, Thea (ETH Zurich)

Session Classification: SRO software 2

Contribution ID: 64

Type: **not specified**

Autonomous calibrations at LHCb.

Tuesday, December 9, 2025 4:15 PM (30 minutes)

Session Classification: Calibrations

Contribution ID: 65

Type: **not specified**

Autonomous calibration

Tuesday, December 9, 2025 3:45 PM (30 minutes)

Presenter: JESKE, Torri

Session Classification: Calibrations

Contribution ID: 66

Type: **not specified**

Streaming reconstruction at ePIC

Tuesday, December 9, 2025 2:45 PM (30 minutes)

Presenter: KUMAOKA, Takuya

Session Classification: SRO for EPIC

Contribution ID: 67

Type: **not specified**

Benchmarking SRO Performance of CAEN Digitizers: Impact of Protocol and Data Processing Techniques

Wednesday, December 10, 2025 9:00 AM (20 minutes)

Presenter: CERRETANI, Giovanni

Session Classification: SRO Hardware

Contribution ID: 68

Type: **not specified**

Streaming capable readout with FLAME and other ASICs

Wednesday, December 10, 2025 9:20 AM (20 minutes)

Presenter: IDZIK, Marek (AGH University of Science and Technology)

Session Classification: SRO Hardware

Contribution ID: **69**

Type: **not specified**

Pacific uchip

Tuesday, December 9, 2025 5:05 PM (20 minutes)

Presenter: BARANAUSKAS, Gytis

Session Classification: SRO Hardware

Contribution ID: 70

Type: **not specified**

Salsa Update

Tuesday, December 9, 2025 5:45 PM (20 minutes)

Presenter: BREGANT, Marco

Session Classification: SRO Hardware

Contribution ID: 71

Type: **not specified**

ePIC ASICs - Status and Plans

Tuesday, December 9, 2025 4:45 PM (20 minutes)

Presenter: BARBOSA, Fernando (JLab)

Session Classification: SRO Hardware

Contribution ID: 72

Type: **not specified**

Next-Generation Streaming Readout Electronics for SoLID MPGDs

Thursday, December 11, 2025 9:10 AM (30 minutes)

Author: DE GERONIMO, Gianluigi (DG Circuits)

Presenter: DE GERONIMO, Gianluigi (DG Circuits)

Session Classification: SRO Hardware

Contribution ID: 73

Type: **not specified**

Streaming Digital Datalinks from 4K Superconducting Electronics to Room Temperature

Wednesday, December 10, 2025 4:50 PM (20 minutes)

Presenter: CHONIGMAN, Benjamin (HYPRES)

Session Classification: SRO Hardware

Contribution ID: 74

Type: **not specified**

The new MPD design: Toward Streaming

Thursday, December 11, 2025 9:40 AM (20 minutes)

Presenter: MUSICO, Paolo (Istituto Nazionale di Fisica Nucleare)

Session Classification: SRO Hardware

Contribution ID: 75

Type: **not specified**

CNAF

Wednesday, December 10, 2025 9:40 AM (30 minutes)

Presenter: PELLEGRINO, Carmelo (Istituto Nazionale di Fisica Nucleare)

Session Classification: Infrastructures

Contribution ID: 77

Type: **not specified**

IRI/HPDF

Wednesday, December 10, 2025 3:10 PM (30 minutes)

Presenter: BALDIN, Ilya

Session Classification: Infrastructures

Contribution ID: **80**

Type: **not specified**

Spadi

Thursday, December 11, 2025 10:30 AM (30 minutes)

Presenter: HONDA, Ryotato

Session Classification: Collaborations

Contribution ID: **81**

Type: **not specified**

FRIB

Thursday, December 11, 2025 11:00 AM (30 minutes)

Presenter: CERIZZA, Giordano

Session Classification: Collaborations

Contribution ID: **82**

Type: **not specified**

ePIC

Tuesday, December 9, 2025 1:15 PM (30 minutes)

Presenter: LANDGRAF, Jeffery

Session Classification: SRO for EPIC

Contribution ID: **83**

Type: **not specified**

JUNO

Thursday, December 11, 2025 11:30 AM (30 minutes)

Presenter: ANDRONICO, Giuseppe (Istituto Nazionale di Fisica Nucleare)

Session Classification: Collaborations

Contribution ID: **84**

Type: **not specified**

Alphacore Streaming Chip

Wednesday, December 10, 2025 5:10 PM (20 minutes)

Presenter: MIKKOLA, Esko

Session Classification: SRO Hardware

Contribution ID: 85

Type: **not specified**

ePIC dRICH readout: towards a full data push architecture

Tuesday, December 9, 2025 5:25 PM (20 minutes)

Presenter: ANTONIOLI, Pietro (Istituto Nazionale di Fisica Nucleare)

Session Classification: SRO Hardware

Contribution ID: **88**

Type: **not specified**

Online data processing and calibration of the Virgo interferometer

Thursday, December 11, 2025 12:00 PM (30 minutes)

Presenter: VIRET, Sebastien

Session Classification: Collaborations

Contribution ID: 89

Type: **not specified**

Streaming DAQ Architectures at PSI: Applications in Mu3e and MuSR

Wednesday, December 10, 2025 4:30 PM (20 minutes)

Presenter: KÖPPEL, Marius

Session Classification: SRO Hardware

Contribution ID: 90

Type: **not specified**

An Initial Deep-Learning Approach to Drift Chamber Tracking

Wednesday, December 10, 2025 3:40 PM (20 minutes)

Presenter: NGUYEN, Viet

Session Classification: SRO software 2