

Session Program

7-11 Sept 2025



IBIC2025 - 14th International Beam Instrumentation Conference

MOPCO

Teaching Hub 502
The University of Liverpool 160 Mount Pleasant L3 5TR Liverpool

Monday 8 September

16:00

MOPCO: Monday Poster Session

Poster Session |

Location: Courtyard, Liverpool Guild of Students, Liverpool Guild of Students, University of Liverpool.

Web Streaming Integration for the TLS Beam Size Monitoring Broadcast System

Speaker

Lin-Pin Hsu

A 3GHz Wall Current Transformer for Very High Bandwidth Beam Current Measurements

Speaker

Frank Stulle

Design and Simulation of Miniaturized Permanent Magnet Arrays for Compact Diagnostic Applications

Speaker

Daliya Aflyatunova

Advancements in Cherenkov fiber-based machine protection system at TRIUMF's e-Linac

Speaker

Richard Hermann

High-resolution diagnostics of the TOP-IMPLART 71 MeV proton beam using photoluminescent color centers in LiF crystals

Speaker

Enrico Nichelatti

Optical beam loss monitor installed at the SPS slow extraction region

Speaker

Montague King

HEPS beam charge measurement system

Speaker

Ying Zhao

The impact of positional inaccuracy on 3D X-ray image quality

Speaker

Lauryn Eley

Commissioning of the 71 MeV beam delivery line of the TOP-IMPLART accelerator

Speaker

Paolo Nenzi

First Beam Commissioning Experience With RF System On Chip Based Bunch By Bunch Signal Processing Systems at SLS 2.0

Speaker

Pedro Baeta Neves Diniz Santos

EPAC Beamline Prototype: Development and Optimization of a High-Repetition-Rate LWFA System

Speaker

KIRILL FEDOROV

Investigation and improvement of slow extraction quality at HIRFL-CSRm

Speaker

Tong Liu

The SPS Beam Loss Monitoring System renovation plan

Speaker

Eva Calvo Giraldo

PREDICTION OF FEL PERFORMANCE USING BPM MEASUREMENTS AND MACHINE LEARNING

Speaker

can Liu

Design of Digital Acquisition for Beam Current Monitor

Speaker

R. Turner White

Exploring beam diagnostic performances of cSTART using the KARA booster synchrotron

Speaker

Dima El Khechen

Beam Diagnostics of the NEWGAIN Project

Speaker

Christophe Jamet

Commissioning of the CLARA Facility: Status Update and Diagnostics Performance

Speaker

Thomas Pacey

Development of 4GSR BPM Electronics for the Korean 4th Generation Storage Ring

Speaker

Si-Won Jang

Physics-Guided Data Expansion for Photocathodes Using TESS Transverse Momentum Measurements

Speaker

Saransh Malhotra

An overview of the beam instrumentations for the CSNS upgrade

Speaker

Renjun Yang

Modelling, anomaly detection and classification of slow losses using machine learning for Diamond-II Beam Loss Monitors

Speaker

Mr Corey Lehmann

Design and Implementation of Embedded System in HIAF Beam Diagnostics System

Speaker

Ruixia Tian

LHC BLM SYSTEM AUTOMATIONS FOR FAULT DETECTION, DIAGNOSIS, AND ISSUE TRACKING

Speaker

Dion Tzamaras

Software Upgrade of Beam Diagnostics Readout System Based on PXIe Hardware

Speaker

Weiling Huang

Development of BPM electronics for PIP-II at Fermilab

Speaker

Shengli Liu

CSNS-II superconducting Section Beam Loss Measurement Electronic Design

Speaker

Weiling Huang

Status of the Source of Polarized Electrons at ELSA with Improved Laser and Electron Beam Diagnostics

Speaker

Michael Switka

Development of a fast extraction method for short high intensity pulses at ELSA

Speaker

Michael Switka

A Proposed CEBAF Diagnostics Upgrade

Speaker

Nathan Rider

Application of Convolutional Neural Networks for Pile up correction in single particle counting

Speaker

Tobias Habermann

Web Streaming Integration for the TLS Beam Size Monitoring Broadcast System

Speaker

Lin-Pin Hsu

Design and development of turn-by-turn and bunch-by-bunch high-speed 128-channel data acquisition electronics applied to the HIAF facility

Speaker

ZhiXue Li

Large Dynamic Range Beam Intensity Measurement of Both H0 and Proton Beams in Injection Upgrade of CSNS-II

Speaker

Weiling Huang

End to end simulations of a novel optical fibre monitoring system for energy recovery LINACs**Speaker**

Angus Jones

Design Status of the Electron-Ion Collider Beam Instrumentation**Speaker**

David Gassner

Development of Monitoring and Analysis System for Beam Operation in RAON**Speaker**

Dr Eunhun Im

Simulation and feasibility analysis of a Non-Invasive Cavity Beam Current Monitor for Low-Energy Antiproton beams**Speaker**

Sruthy Chandran

18:00