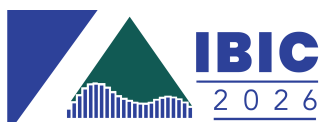


Session Program

30 August 2026 to 3 September 2026



15TH INTERNATIONAL
BEAM INSTRUMENTATION
CONFERENCE

**Whistler
Conference
Centre**

August 30th to
September 3rd
Whistler BC, Canada

IBIC2026 - 15th International Beam Instrumentation Conference

Monday Poster Session 1

Whistler Conference Centre, Rainbow Theatre
4010 Whistler Way, Whistler, BC

Monday 31 August

16:40

Monday Poster Session 1

Poster Session | **Location:** Whistler Conference Centre, Ballroom C

Design and planned commissioning of the ARIEL beam loss monitors

Speaker

Martin Alcorta Moreno

Monte Carlo simulations of LHC beam loss ionization detectors

Speaker

Belen Salvachua

First results of laser-based H⁻ beam diagnostic at LANSCE

Speaker

Martin Kay

Impedance optimization of the SPS-II beam scraper

Speaker

Siriwan Jummunt

A study of straw detector saturation effects with a 440 GeV bunched proton beam at the HiRadMat facility at CERN

Speaker

Robert Larsen

Correction of RF shield-induced acceptance effects in a hybrid pixel beam gas ionization monitor in the CERN SPS

Speaker

Lukas Golino

Update of the CERN beam instrumentation R&D roadmap to complete the LHC era and prepare next-generation accelerators

Speaker

Federico Roncarolo

Proton beam irradiation and transport system for the RFT-30 cyclotron

Speakers

Jongchul Lee, Dr Donghyun Kwak

Development of a novel high angular resolution tracking system at the CERN SPS North Area test beam

Speaker

Justus Braach

A light-based detector for beam diagnostics and monitoring

Speaker

Dr Benoit Truc

Laser parameterisation for an upgraded LINAC4 laserwire diagnostic at CERN

Speaker

Tiago Fernandes de Nóbrega

A large-area, high-resolution diagnostic system for measurement of transverse beam size, beam profile and particle flux density from high-intensity beams to single-particles**Speaker**

Peter Friedman

Design study of a Cherenkov diffraction radiation beam profile monitor for the PLS-II injector beam transport line**Speaker**

Prof. Moses Chung

Novel optical methods for multipacting characterization during RF conditioning**Speaker**

Leonie Bauer

Beam loss monitoring and protection for the upgraded cyclotron injection system at TRIUMF**Speaker**

Suresh Saminathan

Design of an emittance meter for the CSNS MEBT**Speaker**

Renjun Yang

Python for beam spot analysis**Speaker**

Michael Bree

Design considerations for EIC synchrotron radiation monitors**Speaker**

Igor Pinayev

Using a triangle pinhole for beam imaging**Speaker**

Igor Pinayev

Radiation tolerance testing of the cooled CMOS camera for beam profile monitoring**Speaker**

Sang-Pil Yun

Electron detection system for the LANSCE laser wire scanner**Speakers**

Heather Andrews, Dr Martin Kay

Design and validation of a non-destructive real-time beam profile monitor for white photon beams**Speaker**

Dr Woojin Song

Design of Elettra 2.0 x-ray diagnostics beamline

Speaker

Marco Veronese

Deployment of a new current measurement module for beam loss monitors of HIPA facility in PSI**Speaker**

Dr Mariusz Sapinski

Feedthrough developments for the charged particle accelerators**Speaker**

Prof. Sun An

PIP-II beam instrumentation for beam commissioning**Speaker**

Victor Scarpine

Pulsed-beam capability for the D-Pace ES-4 emittance scanner**Speaker**

Mr Zack Watkins

BeamNetUS: accelerating beam-based research**Speaker**

Wei Liu

Development of an optically diagnosed ECR H⁺ ion source with additively manufactured ion optics**Speaker**

Domonkos Czeman

Compact multi-camera transverse and longitudinal beam diagnostics for 2 MeV proton commissioning at FRANZ**Speaker**

Leonie Bauer

Test laboratory setup for synchrotron RF systems based on LLRF, resonant cavity, and RF transmitter**Speaker**

Michał Fałowski

Beam Diagnostic Strategy for the SRF Linac Commissioning of LIPAc**Speaker**

Dr Mukesh Dhakarwal

Construction status of beam instrumentation and diagnostics for SPring-8-II**Speaker**

Hirokazu Maesaka

Synchrotron light interferometry for beam energy spread measurement at JLab**Speaker**

Kotaro Nishi

Simulation analysis of space charge effects on IPM-measured transverse beam profiles

Speaker
Mengyu Liu

Improving ion profile monitor measurements with simulation and ML

Speaker
Christopher Hall

High-speed turn by turn and bunch by bunch transverse beam size measurement using a spatial interferometer and photomultiplier tube

Speaker
Yimei Zhou

Ionization profile monitors for the IOTA storage ring at Fermilab

Speaker
Randy Thurman-Keup

An ionization profile monitor for transverse beam profile measurements at GSI/FAIR

Speaker
Rok Hrovatin

LUCID - Luminescence-based gas Curtain Imaging Diagnostics for beam profile analysis

Speaker
András Zsákai

Beam quality improvement and beam diagnostics for SuperKEKB injection in the KEK e^-/e^+ linac and beam transport lines

Speaker
Fusashi Miyahara

Tests of a new Oscillating Arm Wire Scanner for HIPA at PSI

Speaker
Dr Mariusz Sapinski

Commissioning of a Heterodyne Near Field Speckles Beamline for Beam Size Measurements at ALBA

Speaker
Ubaldo Iriso

Revealing beam loss mechanisms through joint bunch-by-bunch measurement of beam loss and three-dimensional position

Speaker
Yunzhi Xiao

Re-developing the extract beam loss trip system for the ISIS synchrotron

Speaker
Anna Sofija Salosteja

Visible light beam profiling under high current operations at SuperKEKB

Speaker
Hitomi Ikeda

Improving the double slit interferometer setup at KARA to achieve turn-resolved transversal beam size measurements**Speaker**

Marvin Noll

Optimization of the ion trap for secondary electron suppression in the CSNS RCS IPM**Speakers**

Renjun Yang, Mr Yuliang Xiao

Development of In-Air X-ray Detector for vertical beam size measurement at SESAME**Speaker**

Hussein Al-Mohammad

Status of the high luminosity LHC beam instrumentation**Speaker**

Raymond Veness

SWAT parameter optimization of the magnetic center measurement of Scorpis Accelerator Region solenoids**Speaker**

Mario Valles Montenegro

Design of a Vis-UV diagnostic beamline for transverse beam size measurement at SPS-II**Speaker**

Ms Porntip Sudmuang

18:40