

Session Program

9-13 Sept 2024



IBIC2024 - 13th International Beam Instrumentation Conference

THP: Thursday Poster Session

Wanda Realm Beijing
Beijing, China

Thursday 12 September

16:00

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Poster Session | Location: China Hall 3

Design and first results of a cryogenic beam loss monitor installed at the LHC

Speaker

Ewald Effinger

Study of gas bremsstrahlung for 3 GeV electron storage ring using FLUKA Monte Carlo code

Speaker

Samira Mohammadi Alamouti

Measurement of beam phase and energy using BPMs and FCTs at the MEBT section of CSNS H- LINAC

Speaker

Fang Li

Methodology for identifying the centre of a solenoid magnet based on the beam dynamics

Speaker

Dong Hyuck Kim

Status and performance of LumiBelle2 in the 2024 beam operation of SuperKEKB

Speaker

Meng Li

Development of Analog circuit in BLM System at RAON

Speaker

Sungjune Lee

Laser polarimeter at VEPP-4M collider

Speaker

Viacheslav Kaminskiy

Energy spectrum of an ICP-RF ion source using a spherical electrostatic energy analyzer

Speaker

Anna Eydan

Feasibility study of electron beam probe-based longitudinal bunch shape monitor for high-intensity proton beam

Speaker

Heng Wang

Recent progress and experimental results of electro-optic bunch arrival time monitor for SHINE

Speaker

Xiaoqing Liu

Measurement of the H- content in mixed beam from ion source**Speaker**

Baichuan Wang

Beam parameters studies of the CAEP THz FEL as injector for ERL**Speaker**

Xin Yang

Betatron stopbands and coupling resonance driving terms characterization at VEPP-2000 collider**Speaker**

Danil Chistyakov

Measurement of beam energy characteristics at the LHe-free Nb₃Sn demo SRF e-linac**Speaker**

Yimeng Chu

Measurement and optimization of the beam coupling impedance of a novel 3D-printed titanium alloy cage inside the thin-wall vacuum chamber**Speaker**

Guangyu Zhu

A longitudinal phase space measurement using the dechirper composed of corrugated metallic at PAL-XFEL**Speaker**

Chang-Kyu Sung

Terahertz diagnoses bunch-to-bunch spacing for ultrafast electron bunch trains**Speaker**

Yang Xu

Advancements in beam arrival time measurement for SHINE***Speaker**

Yimei Zhou

Measurement of the longitudinal beam size at the Novosibirsk FEL**Speaker**

Vladislav Borin

A test bench for 324 MHz RF deflectors used in bunch shape monitors for CSNS-II linac upgrade**Speakers**

Quanru Liu, Weiling Huang

Wide range and high precision grid-cathode modulation of beam current for High Energy Photon Source electron gun**Speaker**

Jingdong Liu

FPGA algorithm of beam diagnostic devices for fast protection system**Speaker**

Jangwon Kwon

longitudinal phase space reconstruction in an electron storage ring**Speaker**

Hongshuang Wang

Specialized Optical Pulse Picker for Beam Diagnostics in Storage Ring**Speaker**

MingDong Ma

Phase-temperature stability measurement of various RF coaxial cables**Speaker**

Dr Xinpeng Ma

10-fs-level synchronization of femtosecond laser with RF master oscillator**Speaker**

Jinguo Wang

Online beam phase and energy gain measurement through beam-cavity interaction**Speaker**

Lingyun Gong

The synchronization and timing system updating at CTFEL facility**Speaker**

Shuai Ma

Longitudinal bunch diagnostics in the Terahertz domain at TELBE using fast room temperature operable zero-bias Schottky diodes**Speaker**

Mr Rahul Yadav

Design and experiment of an optimized eight-stripline beam energy and energy spread monitor**Speaker**

Qian Wang

Autocorrelator device for measuring the duration of the NovoFEL laser pulse**Speaker**

Stanislav Reva

Bunch-by-bunch feedback system used as a diagnostic tool for multi-bunch beams in the DAΦNE collider**Speaker**

Danilo Quartullo

First results with a Base Band Tune (BBQ) measurement system at Solaris**Speakers**

Adriana Wawrzyniak, Marek Gasior

The status of beam loss diagnostics system for the SKIF synchrotron light source**Speaker**

Oleg Meshkov

Design Choices for the Cryogenic Current Comparator for FAIR

Speaker

Thomas Sieber

Design of beam loss measurement electronic at superconducting section in CSNS-II**Speaker**

Lei Zeng

The beam orbit reconstruction in the linac of CSNS**Speaker**

Yanliang Han

Development of a method for visualizing the magnetic axis of multipole magnets**Speaker**

Stanislav Reva

Using transimpedance amplifiers for current measurements of long beam pulses**Speaker**

Marek Gasior

Machine protection system for HIAF**Speaker**

Yuan Wei

Beam loss measurement at AichiSR storage ring**Speaker**

Masaki Fujimoto

Study of high transmittance ionisation chambers**Speaker**

Mr Zhiquan Zhang

Absolute beam current measurement for slow extracted beams at CERN's North Area facility**Speaker**

Jocelyn Tan

Design and implementation of electron current measurement module for superconducting accelerator**Speaker**

zhiyu wang

A preliminary design of a Compton polarimeter at BEPCII**Speaker**

Mengyu Su

Development of beam loss measurement electronics based on ZYNQ in RCS of CSNS-II**Speaker**

Renjun Yang

Beam based alignment by using double correctors

Speaker

Changbum Kim

Machine Learning Used in BPM Displacement Prediction at HLS II**Speaker**

Chuhan Wang

Research and diagnosis of beam parameters in the SKIF linear accelerator**Speaker**

Dr Xiaochao Ma

Calibration of beam current monitors at J-PARC accelerator facility**Speaker**

Kenichirou Satou

Development of bunch-by-bunch beam charge monitor for High Energy Photon Source**Speaker**

Zhi Liu

Characterization of the PREF slow extraction parameters**Speaker**

Tong Liu

Development of a metamaterial-based cavity beam current monitor at HUST**Speaker**

Yuxin Lu

DCCT noise and beam lifetime measurement**Speaker**

Gero Kube

Beam dynamics design of the superconducting section of a 100 mA superconducting linac**Speaker**

Man Yi

Research and development beamline for the BESSY II booster beamline**Speaker**

Pauline Ahmels

New beam loss monitor ionisation chambers engineering**Speaker**

Gerhard Schneider

Transverse and longitudinal optical beam diagnostics for the BESSY II booster**Speaker**

Marco Marongiu

Development status of the fiber length stabilizers for the laser arrival-time measurement**Speaker**

Bowe Wu

The bunch length monitor based on CSR in SXFEL**Speaker**

Lianfa Hua

Diagnostics of beam losses at the Novosibirsk Free Electron Laser**Speaker**

Lev Fomin

SIRIUS fast beam orbit interlock system**Speaker**

Fernando Henrique Cardoso

Application of Fiber Beam Loss Monitoring System (FBLM) and Scintillator Beam Loss Monitoring System (SBLM) on HEPS**Speaker**

Lingda Yu

The analysis of electron and ion movement inside the Faraday cup and error generation for finding the best biasing configuration**Speaker**

Amin Masoumzadeh

17:30