## IBIC2024 Program September 9th-13th,2024

				1-15tn,2024	V2U24.9.1
Time	Monday, September 9th	Tuesday, September 10th	Wednesday, September 11th	Thursday, September 12th	Friday, September 13th
(UTC+8)		TUA: Overview and Commissioning Chair: Junhui Yue	WEA: Data Acquisition and Processing Platforms Chair: Yongbin Leng	THA: Longitudinal Diagnostics and Synchronization Chair: Hirokazu Maesaka	FRA: Transverse Profile and Emittance Monitors Chair: Kenichirou Satou
9:00 9:10 9:20		TUAIO: Jianshe Cao (IHEP) Welcome & Opening Remarks TUAI1: Yuhui Li (IHEP)	WEAI1: Michael Buechler (DESY) FWK - An Open-source FPGA Framework by DESY for Large Scientific Projects	THAT1: Sebastian Schulz (DESY)  Latest Achievements in Femtosecond Synchronization of Large Scale Facilities	FRAT1 : Mariusz Sapinski (PSI) Secondary, Thermionic and Delta Electrons Emission from Thin Targets
9:30 9:40 9:50 10:00		Overview of Chinese Accelarator  TUAC2: Stefano Mazzoni (CERN)  Overview of the FCC-ee Beam Instrumentation R&D	WEAI2: Andreas Schlogelhofer (CERN) Remote Sensing of Fast Beam Signals Using Electro-optical Modulators WEAC3: Zhixue Li (IMP)	THAI2: Christelle Hanoun (PhLam-U.Lille)  Cost-effective Time-stretch Terahertz Electro-optic Recorders, by Using	FRAC2: Hao Zhang (Cockcroft Institute) BGC monitor: First year of operation at the LHC
10:10		Conference Photo (10:10-10:20)	Newly Developed Digital Signal Acquisition and Processing Platform  for Beam Instruments at IMP  Coffee Break (10:20-10:50)	1550 nm Laser Probes	Coffee Break(10:10-10:50)
10:20 10:30 10:40		TUB: Overview and Commissioning/Transverse Profile and Emittance Monitors Chair: Changbum Kim	WEB: Transverse Profile and Emittance Monitors Chair: Fernando Henrique Cardoso	THB: Machine Parameter Measurements Chair: Peter Forck	FRB: Beam Loss Monitors and Machine Protection/Beam Charge and Current Monitors Chair: Thibaut Lefevre
10:50 11:00 11:10		TUBI1: Kota Ueshima (NIQST)  Commissioning of the Beam Diagnostic System for NanoTerasu: A New 3 GeV Light Source in Japan	WEBI1: Renjun Yang (IHEP) Achieve a Record Dynamic Range of Halo Diagnostics with a Novel Fluorescence Wire Scanner	THBI1: Sonja Jaster-Merz (DESY) High-dimensional and ultra-sensitive diagnostics for electron beams	FRBI1: Bruce Schumm (UCSC)  Development of Ultra-fast Diamond-sensor Based Systems for  Advanced Accelerator Diagnostics
11:20 11:30 11:40		TUBI2: Yanfeng Sui (IHEP)  Design and Commissioning of HEPS Beam Instrumentation	WEBI2: Ji-kwang Hwang (GWNU) Design and Experimental Validation of High-Resolution Single-Shot Emittance Diagnostics for Heavy-lon Beams	THBI2: Shanshan Cao (SARI) Nondestructive Beam Energy Measurement Using RF Cavity Beam Arrival Time Monitor	FRBC2: Montague King (CERN)  A Systematic Investigation of Beam Losses and Position  Reconstruction Techniques Measured with a Novel oBLM at CLEAR  FRBC3: Sara Benitez Berrocal (CERN)
11:50		TUBC3: Jun Peng (IHEP)  Beam Diagnostics for CSNS-II Linac Commission and Operation	WEBC3: Narender Kumar (Cockroft Institute) First Proof-of-concept Transverse Beam Profile Measurements with Gas Jet in-vivo Dose Profiler for Medical Accelerators	THBC3: Arnold Kruschinsk (HZB) Laser Modulator for SSMB Used as a Diagnostic Tool	SPS Fast Spill Monitor Developments  FRCL1: Carsten Welsch (UOL)  IBIC2025 Report
12:10		TUBC4: Wan Zhang (IHEP) Beam Size Measurement With Gratings at BEPCII	WEBC4: Yu Du (IMP)  Evaluating the Use of Common Statistical Divergences to Quantify the Differences between Beam Distributions in High-dimensional Phase	THBC4: Yuwen An (IHEP) Observation and Study of Space Charge Effect Frequency Shifts in High-	FRCL2: Junhui Yue (IHEP) Concluding Remarks and Closing
12:20 12:30		<u></u>	Space Lunch Break (12:30-13:30)	intensity Accelerators	Simple Lunch Box (12:20-13:00)
13:00		TUC: Beam Position Monitor Chair: Carsten Welsch	WEC: Feedback Systems and Beam Stability Chair: Nicolas Hubert	THC: Longitudinal Diagnostics and Synchronization Chair: Marco Veronese	
13:30 13:40 13:50		TUC11: Xing Yang (USTC) Bunch-resolved 3D beam position measurement system and its application in FELICHEM	WECI1: Takeshi Nakamura (KEK) Bunch by Bunch Feedback Systems Review	THCI1: Marco Marongiu (HZB)  Approaching an optimum time resolution for synchroscan streak- camera measurements with visible synchrotron light	
14:00		TUCC2: Victor Verzilov (TRIUMF)  Low frequency beam position monitoring at the TRIUMF cyclotron injection line	WECC2: Lucas Pelike (LNLS)  Modeling of the SIRIUS Fast Orbit Feedback Control Loop	THCC2: Yong Zhang (IMP) Direct Measurement of the Longitudinal Emittance for a Proton Beam at Exit of a Radio Frequency Quadrupole	
14:20		TUCC3: Donghyun Song (PAL) Photon Beam Position Monitor for PLS-II Beamline		THCC3: Gian Luca Orlandi (PSI) Absolute Characterization of sub-fs Electron Bunch-Length in SwissFEL	
14:40				using a Bunch-Compressor Monitor	
15:00		Coffee Break (14:40-15:10)  TUD: Beam Position Monitor  Chair: Junxia Wu	Coffee Break (14:20-14:50) & WFP: Wednesday Poster Session (14:20-15:50)		Tour to BEPCII or HEPS, Start from 13:00 at the Wanda Realm Return to Wanda Realm from REPCII by 15:00
15:00 15:10 15:20 15:30	Registration Opens 13:30	TUD: Beam Position Monitor	· · · · · · · · · · · · · · · · · · ·	using a Bunch-Compressor Monitor  Coffee Break (14:40-15:10)  THD: Longitudinal Diagnostics and Synchronization	Tour to BEPCII or HEPS, Start from 13:00 at the Wanda Realm Return to Wanda Realm from BEPCII by 15:00 Return to Wanda Realm from HEPS by 18:00
15:10 15:20 15:30 15:40 15:50	Registration Opens 13:30	TUD: Beam Position Monitor Chair: Junxia Wu  TUDI1: Hongming Xie (IMP)	&	using a Bunch-Compressor Monitor  Coffee Break (14:40-15:10)  THD: Longitudinal Diagnostics and Synchronization Chair: Gero Kube  THD11: Feng Qiu (IMP)  On-line Beam Synchronous Phase Calibration Using Beam-Induced RF	Return to Wanda Realm from BEPCII by 15:00
15:10 15:20 15:30 15:40 15:50 16:00 16:10 16:20	Registration Opens 13:30	TUD: Beam Position Monitor Chair: Junxia Wu  TUDI1: Hongming Xie (IMP) Overview of the BPM System for HIAF & CiADS Projects  TUDC2: Collette Pakuza (JAI) The Study of High-frequency Pick-ups for Electron Beam Position	&	using a Bunch-Compressor Monitor  Coffee Break (14:40-15:10)  THD: Longitudinal Diagnostics and Synchronization Chair: Gero Kube  THD11: Feng Qiu (IMP)  On-line Beam Synchronous Phase Calibration Using Beam-Induced RF Signals  THDC2: Donghyun Kwak (IBS)  Capacitive Pick-Up Type Bunch Shape Monitors for Low-Energy Ion Beams at RAON	Return to Wanda Realm from BEPCII by 15:00
15:10 15:20 15:30 15:40 15:50 16:00 16:10 16:20 16:30 16:40 16:50 17:00 17:20	Registration Opens 13:30	TUD: Beam Position Monitor Chair: Junxia Wu  TUDI1: Hongming Xie (IMP) Overview of the BPM System for HIAF & CiADS Projects  TUDC2: Collette Pakuza (JAI) The Study of High-frequency Pick-ups for Electron Beam Position	& WEP: Wednesday Poster Session (14:20-15:50)	using a Bunch-Compressor Monitor  Coffee Break (14:40-15:10)  THD: Longitudinal Diagnostics and Synchronization Chair: Gero Kube  THD11: Feng Qiu (IMP)  On-line Beam Synchronous Phase Calibration Using Beam-Induced RF Signals  THDC2: Donghyun Kwak (IBS)  Capacitive Pick-Up Type Bunch Shape Monitors for Low-Energy Ion	Return to Wanda Realm from BEPCII by 15:00
15:10 15:20 15:30 15:40 15:50 16:00 16:10 16:20 16:30 16:40 16:50 17:10	Registration Opens 13:30  Welcome Reception	TUD: Beam Position Monitor Chair: Junxia Wu  TUDI1: Hongming Xie (IMP) Overview of the BPM System for HIAF & CIADS Projects  TUDC2: Collette Pakuza (JAI) The Study of High-frequency Pick-ups for Electron Beam Position Measurements in the AWAKE Common-beamline	& WEP: Wednesday Poster Session (14:20-15:50)  Shuttle Bus to East Gate of Summer Palace (16:00-16:30)	using a Bunch-Compressor Monitor  Coffee Break (14:40-15:10)  THD: Longitudinal Diagnostics and Synchronization Chair: Gero Kube  THD11: Feng Qiu (IMP)  On-line Beam Synchronous Phase Calibration Using Beam-Induced RF Signals  THDC2: Donghyun Kwak (IBS)  Capacitive Pick-Up Type Bunch Shape Monitors for Low-Energy Ion Beams at RAON	Return to Wanda Realm from BEPCII by 15:00