

	Sunday, 19 May 2019	Monday, 20 May 2019		Tuesday, 21 May 2019	
		Plenary #2	Plenary #3	Plenary #2	Plenary #3
		Chair: M.J. Boland (CLS)		Chair: J.R. Delayen (JLab)	Chair: R.W. Assmann (DESY)
9:00		Welcome		Matthias Liepe (Cornell) Superconducting RF for the Future: Is Nb3Sn Ready for Next-Generation Accelerators?	Dao Xiang (SJT Uni.) MeV Ultrafast Electron Diffraction and Microscopy for Scientific Frontier
9:10					
9:20					
9:30		Suzanne Sheehy (STFC) Meeting future challenges in accelerators: innovation, collaboration and communication		Sam Posen (Fermilab) Flux Expulsion in SRF Cavities: Discovery of Influencing Parameters and Implementation in LCLS-II Cryomodule	Igor Pinayev (BNL) SRF Gun with Warm Photocathode
9:40					
9:50					
10:00		Massimo Ferrario (INFN) From Dream to Reality: Prospects for Applying Advanced Accelerator Technologies to Next Generation Scientific User Facilities		Anna Dmitriyevna Solopova (JLab) SRF Cavity Fault Classification Using Machine Learning at CEBAF	Masashi Otani (KEK) Negative Muonium Ion Production With a C12A7 Electride Film
10:10					
10:20				Ariel Nause (UCLA) First Operation of a Hybrid e-Gun at Ariel University	Shingo Mori (KEK) The Design Optimization of the Dielectric Assist Accelerating Structure for Better Heat and Gas Transfer
10:30		Coffee / Tea		Coffee / Tea	
		Chair: H. Tanaka (RIKEN)		Chair: T. Watanabe (JASRI)	Chair: M. Vretenar (CERN) and D. Raparia (BNL)
11:00		Susumu Igarashi (J-PARC/KEK) Challenges to Higher Beam Power in J-PARC: Achieved Performance and Future Prospects		Heung-Soo Lee (PAL) XFEL Performance Achieved at PAL-XFEL	Angeles Faus Golfe (LAL) The Brave New World of Particle Accelerators
11:10					
11:20					
11:30		Deniis Kostin (DESY) SRF Operation at XFEL: Lessons Learned after More than One Year		Ichiro Inoue (RIKEN) Stable and Brilliant Self-Seeded XFEL at SACLA	Hushan Xu (IMP) Development of Accelerator Driven Advanced Nuclear Energy and Nuclear Fuel Recycling
11:40					
11:50					
12:00		Lucio Rossi (CERN) Progress with the LHC Programme at CERN		Pedro Tavares (MAX Lab) Status of the MAX-IV Project	Yine Sun (ANL) Beam Shaping Via 6D Phase-Space Manipulation
12:10					
12:20					
12:30		LUNCH		LUNCH	
		Chair: M. Bai (GSI) and T. Koseki (KEK)		Chair: Q. Qin (IHEP) and E.B. Levichev (INP)	Chair: M.G. Minty (BNL) and A. Jansson (ESS)
14:00	Student Poster Session Location: Main Foyer (14:00 - 16:00)	Shinian Fu (CSNS/IHEP) Operation Status and Upgrade of CSNS	Hiroaki Aihara (Uni. Tokyo) Particle Physics at the High Energy Frontier With the Next Electron-Positron Collider	Sandra G. Biedron (Element Aero + UNM) Machine Learning, Data Mining and Big Data Handling for Accelerators	J. MacArthur (Stanford) Microbunch Rotation and Coherent Undulator Radiation From a Kicked Electron Beam
14:10					
14:20					
14:30		Ulrich Ratzinger (IAP, Frankfurt) Overview of Worldwide High Intensity Heavy Ion Linacs	Gregory Marr (BNL) Ion Collider Precision Measurements with Different Species	Hiroshi Sugimoto (KEK) Optics Measurements at SuperKEKB Using Beam Based Calibration for BPM and BBA	Yi Jiao (IHEP) Beam Dynamics Study in the HEPS Storage Ring
14:40					
14:50					
15:00		Maksym Miski-Oglu (HIM/GSI) Beam Commissioning Continuous Wave HIM/GSI-Linac	Christoph Montag, BNL eRHIC Design Overview	Gabriella Azzopardi (U. Malta) Operational Results of LHC Collimator Alignment Using Machine Learning	Eléonore Roussel (PhLAM/CERLA) Control of the micro-bunching instability in storage rings, using control of chaos strategy
15:10					
15:20		Yuki Sue (Nagoya University) A Bunch Structure Measurement of Muons Accelerated by RFQ Using a Longitudinal Beam-Profile Monitor With High Time-Resolution	Marica Biagini (Frascati – INFN) Positron Driven Muon Source for a Muon Collider: Recent Developments	Sergey Tomin (XFEL-EU) Status of Automated Optimization Procedures at the European XFEL Accelerator	Rebecca Auchetti (ANSTO - AS) Beam dynamics, injection and impedance studies for the proposed single pulsed nonlinear injection kicker at the Australian Synchrotron
15:30					
15:40		Diktys Stratakis (Fermilab) Commissioning and First Results of the Fermilab Muon Campus	Yunlong Chi (IHEP) R&D Status of CEPC Accelerator	Greg White (SLAC) The EPICS Software Framework Moves from Controls to Physics	Gennady Stupakov (SLAC) New method of calculation of the wake due to radiation and space charge forces in relativistic beams
15:50					
16:00		Coffee / Tea POSTERS (16:00 - 18:00)		Coffee / Tea POSTERS (16:00 - 18:00)	
18:00	Welcome Reception (18:00 - 19:30)				

	Wednesday, 22 May 2019		Thursday, 23 May 2019		Friday, 24 May 2019	
	Plenary #2	Plenary #3	Plenary #2	Plenary #3	Plenary #2	Plenary #3
	Chair: T.O. Raubenheimer (SLAC)		Chair: F.C. Pilat (ORNL)		Chair: J.C. Huang (NSRRC) and S. Wang (CSNS)	
9:00	Alberto Lutman (SLAC) XFEL Operation Flexibility due to the Dechirper System	Daniela Leitner (LBNL) High Performance ECR Sources for Next-Generation Nuclear Science Facilities	Malika Meddahi (CERN) LHC Injectors Upgrade Project: Towards New Territory Beam Parameters	Koji Noda (NIRS) Review of Ion Therapy Accelerators and Future Perspective	Qingjin Xu (IHEP) High Field Magnet Program for Accelerators in IHEP China	Nicholas Delerue (LAL) Tests of a 3d Printed Bpm With a Stretched Wire and With a Particle Beam
9:10						
9:20						
9:30	Enrico Allaria (Elettra) High Gain, Amplified Emission of a Soft-X Ray Free-Electron Laser Based on Echo-Enabled Harmonic Generation	Haipeng Wang (JLab) Magnetron R&Ds for High Efficiency CW RF Sources of Particle Accelerators	Evgeny Syresin (JINR) NUCLOTRON Development for NICA Acceleration Complex	Mauro Pivi (MedAustron) Status of the Carbon Commissioning and Roadmap Projects of the MedAustron Ion Therapy Center Accelerator	Prapaiwan Sunwong (SLRI) Magnet Design for Siam Photon Source II	Hajime Nishiguchi (KEK) Extinction Measurement of J-PARC MR with 8 GeV Proton Beam for the New Muon-to-Electron Conversion Search Experiment – COMET
9:40						
9:50	Chao Feng (SARI-CAS) Slippage Boosted Spectral Cleaning in a Seeded Free-Electron Laser	Christine Ader (Fermilab) Accelerator Vacuum Windows: A Review of the Past, Present and Future Development of a New Vacuum Thin Window Design for Improved Safety and Longevity for Particle	Brennan Goddard (CERN) Demonstration of Loss Reduction Using a Thin Bent Crystal to Shadow an Electrostatic Septum During Resonant Slow Extraction	Eunje Lee (KAERI) Recent Progress in the Production of Medical Radioisotopes with RFT-30 Cyclotron	Katsuya Okamura (KEK) Development a Pulsed Power Supply Utilizing 13 kV Class SiC-MOSFET	Nazamin Samadi (U. Saskatchewan) A Vertical Phase Space Beam Position and Emittance Monitor for Synchrotron Radiation
10:00						
10:10	Jared Michael Maxson (Cornell U.) Photocathodes research activities for high brightness beams, spin polarized sources and large area photon detectors at Cornell University	Gaël Sattonnay (LAL) Is It Possible to Use Additive Manufacturing for Accelerator UHV Beam Pipes?	Lijun Mao (IMP-CAS) Experimental and Simulation Studies of Cooling of A Bunched Ion Beam In A Storage Ring by a Bunched Electron Beam	Xijie Wang (SLAC) Science Frontiers of Mega-electronvolt Ultrafast Electron Probes	John Galambos (SNS/ORNL) Operations Experience of SNS at 1.4MW and Upgrade Plan for Doubling the Beam Power	Timofey Zolkin (Fermilab) Symplectic Period Three Implies Chaos
10:20						
10:30	Coffee / Tea		Coffee / Tea		Coffee / Tea	
	Chair: P. Bambade (LAL)		Chair: T. Watanabe (JASRI)		Chair: M.J. Boland (CLS)	
11:00	Chenghui Yu (IHEP) CEPC TDR Status and SppC Progress	Benoit Salvant (CERN) Building the Impedance Model of a Real Machine	Matthaeus Leitner (LBNL) Development of the Vertically Polarizing Hard X-Ray Undulator Segments for the LCLS-II Project	Frank Ludwig (DESY) RF Controls Towards Femtosecond and Attosecond Precision	Henry Chapman (DESY) X-ray Imaging: Faster, Smaller and Brighter	
11:10						
11:20						
11:30	Akio Morita (KEK) Status of Early SuperKEKB Phase-3 Commissioning	Michael Syphers (Northern Illinois U.) Muon g-2: Interplay between beam dynamics and a muon decay experiment at precision frontier	Alex Murokh (RadiaBeam) A Novel Compact High Rep-Rate Gamma Ray Source Based on Strongly Tapered Undulator Interactions	Hirokazu Maesaka (RIKEN) On-Demand Beam Route and RF Parameter Switching System for Time-Sharing of a Linac for X-ray Free-Electron Laser as an Injector to a 4th-Generation Synchrotron Radiation Source	Leonida Gizzi (INO-CNR) Lasers for Novel Accelerators	
11:40						
11:50	Michaela Schumann (CERN) The 2018 Heavy-Ion Run of the LHC	Tessa Charles (UoM) First experimental measurements of caustic nature of electron trajectories in bunch compressors	Paul Goslawski (HZB) Two orbit operation at BESSY II - During a user test week	Jessica Golm (FSU Jena) Different Versions of Cryogenic Current Comparators with Magnetic Core for Beam Current Measurements	Dong Wang (SINAP) Overview of Light Source Developments in Asia	
12:00						
12:10	Guido Sterbini (CERN) First Results of the Compensation of the Beam-Beam Effect with DC Wires in the LHC	Andrey Tyukhtin (St. Petersburg U.) Development of methods for calculation of bunch radiation in presence of dielectric objects	Katherine Harkay (ANL) High-charge injector for on-axis injection into high performance storage ring light source	Tsung-Yu Lee (NSRRC) A Remote-Controlled Mobile Car in Accelerator Tunnel		
12:20						
12:30	LUNCH		LUNCH		Closing Remarks (12:30 - 13:00)	
	Chair: K. Hayes (ANSTO)		Chair: R.W. Assmann (DESY) and H.S. Kang (PAL)		IPAC'19 SPC Chair & LOC IPAC'20 OC Chair Mike Seidel	
14:00	Lucia Sabbatini (INFN) The LATINO Project - an Italian perspective on connecting SMEs with research infrastructure	Marie-E Couprie (SOLEIL) Control of Laser Plasma Accelerated Electrons: A Route for Compact FELs	ACFA Award Ceremony (14:00 - 15:30) IPAC'19 Student Poster Prize and Memorial Prize Mark Oliphant Prize Student/early-career award for the quality of work and future potential by those in physics or engineering.			MC1: Circular and Linear Colliders
14:10						MC2: Photon Sources and Electron Accelerators
14:20						MC3: Novel Particle Sources and Accelerator Techniques
14:30	Chris Philpott (Buckley Systems) The light at the end of the tunnel: Light Source lessons learned	Gregor Loisch (DESY) High Transformer Ratio Plasma Wakefield Acceleration Driven by Photocathode Laser Shaped Electron Bunches	Hongil Kim Prize Early-career award for a recent, significant and original contribution to the field of accelerators.			MC4: Hadron Accelerators
14:40						MC5: Beam Dynamics and EM fields
14:50						MC6: Beam Instrumentation, Controls, Feedback and Operational Aspects
15:00	Brian E Jurczyk (Starfire Industries) Developing a deployable 4-MeV Deuteron RFQ Linac for Industrial and Security Applications: Insights from a Small Business Perspective	Jianfei Hua (TUB) Experimental Demonstration of External Injection From a Linac into a LWFA with ~100% Capture Efficiency	Nishikawa Tetsuji Prize For a recent, significant, original contribution to the field of accelerators.			MC7: Accelerator Technology
15:10						MC8: Applications of Accel., Technology Transfer & Industrial Relations
15:20						MC9: Engagement with Industry, Knowledge Exchange & Industrial Relations
15:30	Michelle Diane Shinn (DOE/NP) DOE office of Nuclear Physics' Small Business Innovative Research (SBIR) Program	Phu Anh Phi Nghiem (CEA) EUPRAXIA, a Step Toward a Plasma-Wakefield Based Accelerator With High Quality Beam	Coffee / Tea POSTERS (15:30 - 17:30)			
15:40		Wei Hou Tan (Northern Illinois Univ.) Longitudinal-Phase-Space Manipulation for Efficient Beam-Driven Structure Wakefield Acceleration				Opening and Closing
15:50						
16:00	Coffee / Tea POSTERS (16:00 - 18:00)					
18:00	Diversity in Accelerator Science and Engineering		Pre-Dinner Drinks (18:00) and Conference Banquet (18:30)			