IPAC'26 Scientific Programme

Time	Sunday 17 May	Monday 18 May	Tuesday 19 May		Wednesday 20 May		Thursday 21 May		Friday 22 May	
		Auditorium Michel D'Ornano	Auditorium Michel D'Ornano	Auditorium Thalasso	Auditorium Michel D'Ornano	Auditorium Thalasso	Auditorium Michel D'Ornano	Auditorium Thalasso	Auditorium Michel D'Ornano	Auditorium Thalasso
		Chair: Peter McIntosh	Chair: Jordi Marcos	Chair: John Thomason	Chair: Prapong Klysubun	Chair: Fulviat Pilat	Chair: Viktor Malka	Chair: Sarah Cousineau	Chair: Marie-Helene Moscatello	Chair: Seughwan Shin
09:00		**Welcome Address**	**Commissioning and current status of High Energy Photon Source (HEPS)**, Yuhui Dong, CAS	**Particle Accelerator-driven Muon Spectroscopy: An invaluable tool to understand our material world**, Adrian Hillier, STFC	**Accelerator-based lithography and the Induction Storage Ring Light Source**, Michael Ehrlichman, SLAC	**A quarter century of RHIC – performance far beyond design**, Michiko Minty, BNL	**MAX 4U, an upgrade of the MAX IV 3 GeV ring**, Eshraq Al-Dmour, MAX IV	**Laser Plasma Accelerated Proton Bunches surpassing 100 MeV**, Ulrich Schramm, HZDR	**From femtosecond to attosecond RF field control**, Frank Ludwig, DESY	**Beam Dynamics in the SNS Linac and Beam Test Facility,** Kiersten Ruisard, ORNL
09:10										
09:20										
09:30			**SOLEIL II: the French 4GLS Project - First Year of the Construction Program**, Laurent Nadolski, SOLEIL	**First mixed He/C ion beams at a clinical facility: two years from concept to first ion imaging experiments**, Elisabeth Renner, TU Wien	**Development and commissioning of normal conducting ion linacs: the INFN experience**, Francesco Grespan, INFN	**First synchrotron injection attempt into the SuperKEKB HER**, Naoko Iida, KEK	**First lasing and stable operation of a direct amplification enabled harmonic generation free electron laser**, Zheng Qi, SARI	**Wakefield dephasing measurement of a self-modulating proton bunch**, Helena Jaworska, Uni. Düsseldorf	**Bridging the Gap Between Control Systems and Natural Language: A Framework for Semantic Channel Finding**, Thorsten Hellert, LBNL	**The detection of the fixed lines in four-dimensional phase space**, Giuliano Franchetti, GSI
09:40		**GANIL - facility latests achievements and upgrades,** Robin Ferdinand, GANIL								
09:50			**EuPRAXIA at ELI ERIC: Development of a Compact LPA FEL and Plasma Source for Ultrafast Science**, Alexander Molodozhentsev, ELI-Beamlines	**Accelerators activities at ENEA for aerospace**, Giulia Bazzano, ENEA	**Beam Tests of a Permanent Magnet Medical Accelerator Arc from 10-250MeV**, Stephen Brooks, BNL	**Performance Strategy for the First Years of the EIC Science Program**, Alexei Blednykh, BNL	**Results of the First Interferometric Measurements of Undulator Radiation from Single Electrons**, Giulio Stancari, FNAL	**Terahertz Techniques in the Advanced Accelerator Landscape**, Morgan Hibberd, Uni. Manchester	**Intelligent scientific facility R&D: AI/ML developments at SLAC MeV-UED**, Fuhao Ji, SLAC	**Approximate invariant analysis, a new framework for nonlinear beam dynamics**, Yongjun Li, BNL
10:00										
10:10		**CERN's future vision and priorities,** Mark Thomson, CERN	**Development Progress of the SHINE Accelerator**, Bo Liu, SARI	**Mapping Global Collaboration in Accelerator Research,** Annabella Zamora, University of Lausanne	**GANIL-SPIRAL2 4 years in operation**, Omar Kamalou, GANIL	**Near Resonance Polarization Modulation, a Novel Method for High Precision Beam Energy Measurement in Storage Rings**, Yi Wu, EPFL	**Demonstration of mode-locked frequency comb for an x-ray free-electron laser**, Wenxiang Hu, PSI	**Generation of tunable sub-femtosecond XFEL pulses by electron bunch recompression using reverse-energy chirp**, Kenji Yasutome, RIKEN	**Progress in Data-Driven Beam Diagnostics within LIV.INNO**, Carsten Welsch, UOL	**Topology and non-linear matching: from KAM tori to beam profiles**, Guido Sterbini, CERN
10:20										
10:30			Coffee Break (10:30-11:00)							
10:40		Coffee Break (10:40-11:10)							Auditorium Michel D'Ornano	
10:50			Chair: Ralf Gebel	Chair: Tadashi Koseki	Chair: Mamad Eshraqi	Chair: Enrica Chiadroni	Chair: Liangting Sun	Chair: Toru Hara	Chair: Rogelio Tomás García	
11:00		Chair: Alessandro Fabris	**Accelerator research for proton therapy**, Andrea Denker, HZB	**High quality electron beams with tunable energy produced by laser-plasma acceleration**, Brigitte Cros, Uni. Paris Saclay	**Overview of crab cavities for light sources and particle colliders**, Rama Calaga, CERN	**Controlled injection and acceleration of 10 GeV-class electron beams in a laser wakefield accelerator**, Alex Picksley, LBNL	**Progress and status of high intensity heavy ion accelerator facility (HIAF) in China**, Jiancheng Yang, IMP/CAS	**Overview of the Beam Position Monitors Development for the Next Generation Light Sources**, Laura Torino, ALBA	**Review of inverse Compton scattering sources and research paths towards fundamental physics studies,** Vittoria Petrillo, Uni. Milan and INFN	
11:10										
11:20		**Synchrotron light facility updates: the bright future of synchrotron science**, Laurent Chapon, ANL								
11:30			**Status and Comparison of World-wide In-flight Fragment Separators**, Haik Simon, GSI	**First direct observation of a wakefield generated with structured light**, Aaron Liberman, Weizman	**Beam Dynamics Challenges and Optics Development for the PERLE Multi-Turn ERL**, Alex Fomin, Uni. Paris-Saclay	**Progress Towards High-Repetition-Rate Plasma Wakefield Acceleration at FLASHForward,** Judita Beinortaité, DESY	**Update on the FAIR Machine Installation Status**, Janet Schmidt, GSI	**Emittance measurement of the CERN antimatter beam for the GBAR experiment**, Sarah Geffroy, IJCLab	**Machine learning for design and control of particle accelerators: A look backward and forward,** Auralee Edelen, SLAC	
11:40										
11:50		**First Acceleration of Positive Muons: From Initial Demonstration to High-Energy Development,** Masashi Otani, KEK			**Transport of dark current through the Linac to End Station A beamline at LCLS**, Sean Littleton, SLAC	**Short-pulse driven photogun for very hard x-ray free-electron laser**, Wei Hou Tan, SLAC	**Beam commissioning and upgrade progress for the CSNS-II RCS**, Ming-Yang Huang, IHEP	**Development of a new ultraslow muon beam diagnostic system for the J-PARC muon g-2/EDM experiment**, Mayu Wada, Uni. Tokyo		
12:00										
12:10		**Commissioning Progress of the ESS Linear Accelerator,** Natalia Milas, ESS	**Accelerator Complex Evolution at Fermilab**, Mary Convery, FNAL	**ML-driven Automated Tuning of SACLA XFEL: Progress and Future**, Eito Iwai, JAERI	**On the optimization of the non-linear performance of 4th-generation light sources**, Bettina Kuske, HZB	**A Portable Muon Source for artificial muon muography**, Masao Kuriki, Hiroshima Uni.	**Plasma-Assisted Space-Charge Neutralization for High-Current Cyclotron Axial Injection Using Beam-Ionized H_2 and Kr Gas**, Chong Shik Park, Korea Uni.	**Achieve a record dynamic range of halo diagnostics with a novel fluorescence wire concept**, Renjun Yang, IHEP	**The European Research Roadmap on Concepts and Technologies for Accelerators,** Mike Seidel, PSI	
12:20										
12:30									Chair: Peter McIntosh	
12:40										
12:50										
13:00	Lunch	Lunch (12:40-14:00)	Lunch (12:30-14:00)	Lunch (12:30-13:30)	Lunch (12:30-14:00)				Closing Remarks (12:30-13:30)	
13:10										
13:20										
13:30				Speaking opportunity RFHIC (25')					Lunch	
13:40		Auditorium Michel D'Ornano	Auditorium Thalasso				Auditorium Michel D'Ornano			
13:50		Chair: Nuria Catalan	Chair: Adriana Rossi	Chair: Yine Sun	Chair: Adriana Wawrzyniak	Chair: Marco Marchetto	Chairs: Jean-Luc Revol & Nicolas Berton	Chair: Ralph Assmann		
14:00		**Development of low period cryogenic permanent magnet undulators,** Mathieu Valléau, SOLEIL	**Project status and R&D efforts for Super Tau-Charm Facility**, Jingyu Tang, Hefei	**Attosecond FEL Physics**, Agostino Marinelli, SLAC	**Innovate for Sustainable Accelerator Systems (iSAS),** Maud Baylac, LPSC	**Manipulating and Diagnosing Electron Beam with Cross-Plane Coupling in Transverse and Longitudinal Phase Space,** Seongyeol Kim, PAL-XFEL	**Sustainability into Pre-Procurement and Procurement: CERN's Recent Journey**, Enrico Cennini, CERN	**IPAC'26/EPS-AG Student poster Prizes** **EPS-AG Bruno Touschek Prize awarded to :Andrea Frazzitta,** PSI for: From Plasma Lenses to Plasma Undulator	Laboratory Tours	
14:10										
14:20							**Situation in Asia**, Ping He, IHEP			
14:30		**HTS Technology development for energy efficient magnets in PSI Large Research Facilities**, Stephane Sanfilippo, PSI	**Prospects for linear colliders**, Steinar Stapnes, UiO	**Commissioning and Performance of the ThomX Compact Compton Source Demonstrator**, Iryna Chaikovska, IJCLab	**The tristron, a new paradigm in high-efficiency RF power generation,** Igor Syratchev, CERN	**Realization of High-Intensity Beams with Smaller Emittance Without a Transverse Feedback System**, Yoshihiro Shobuda, JPARC	**Feedback from industry** Christoph Quitmann RI	**EPS-AG Frank Sacherer Prize awarded to: Patrick Rauer,** DESY for: Lasing of a Cavity Based X-ray FEL		
14:40							**Feedback from industry**,Vincent Sigalo, SIGMAPHI			
14:50								**EPS-AG Gersh Budker Prize awarded to: Wentao Wang**, SIOM for: Compact Laser wakefield accelerator and Free-electron lasing		
15:00	Registration and Student Poster Session	**Commissioning of the RF System for High Energy Photon Source**, Pei Zhang, IHEP	**Obtaining a record luminosity production in the Large Hadron Collider in 2025**, Joerg Wenninger, CERN	**High Charge Operation and Future Upgrades of the APS-U Injector Chain**, Joseph Calvey, ANL	**Scale up in length of Nb3Sn accelerator magnets: the experience of MQXF coils**, Susana Izquierdo Bermudez, CERN	**Benchmarking of Optics Correction Tools for Fourth-Generation Light Sources and Future Colliders**, Elaf Musa, DESY	**Joint universities accelerator school : History and successes**, Elias Metral, JUAS	**EPS-AG Rolf Wideroe Prize awarded to: Elena Chapochnikova,** CERN for: RF systems and longitudinal beam dynamics for enhanced performance of CERN accelerators	**MC1** Colliders and Related Accelerators	
15:10									**MC2** Photon Sources and Electron Accelerators	
15:20		**Tapered APPLE undulators at TPS**, Ting-Yi Chung, NSRRC	**Progress Towards A Muon Collider**, Paul Bogdan Jurj, Imp College London	**CLARA Commissioning and First Friendly User Experiments**, Mark Johnson, STFC	**An ultra-high brightness cryogenic C-band RF gun for ultra-fast electron diffraction applications**, Chad Pennington, Cornell Uni.	**Low-emittance, Low-charge optimization of the Argonne Wakefield Accelerator for the Nanopatterned Microbunching Experiment**, Rachel Margraf-O'Neal, ANL	**Situation in USA**, John Byrd, USPAS	Chair: Hanna Franberg-Delahaye	**MC3** Advanced acceleration techniques and novel particle sources	
15:30								**Entertainment session** **Horses in France:** **A ride through history, regions and science** Roseline Travert, IFCE	**MC4** Hadron accelerators	
15:40		**Machine learning techniques for design of complex accelerator magnets**, Sophie Gresty, UOL	**The Ghost Collider: An Innovative Higgs Factory**, Rob Apsimon, Cockcroft Inst.	**SLS2.0 commissioning progress**, Masamitsu Aiba, PSI	**Analysis of LCLS-SC commissioning and operational quenches**, Nicole Neveu, SLAC	**AI and machine learning techniques for LNL accelerators**, Ysabella Kassandra Ong, INFN	**Feedback from industry**, COSYLAB		**MC5** Beam Dynamics and EM Fields	
15:50									**MC6** Beam Instrumentation, operation Controls, Feedback and Operational Aspects	
16:00		Poster Session							**MC7** Accelerator technology and sustainability	
16:30									**MC8** Applications of Accelerators, Engagement with Industry, Technology Transfer and Outreach	
17:00										
18:00					**Equal Opportunities session** Chair: Alcosa Meseck **Women in Physics: The Dangers of Success, the Forces of Inertia, and Pathways to Equity** Beate Ceranski (Historisches Institut, Stuttgart), Ewelina Ciaputa (Inst. of Sociology, Krakow)					
19:00										
20:00	Welcome Reception (18:00-21:00)				Casino Barrière Deauville					
21:00				Conference Reception (20:00-00:00) Casino Barrière Deauville			Conference Banquet (19:30-01:00) Pôle International du Cheval Deauville			
22:00										
23:00										
00:00										
01:00										