

IPAC'26 Scientific Programme

Time	Saturday 16 May	Sunday 17 May	Monday 18 May	Tuesday 19 May	Wednesday 20 May	Thursday 21 May	Friday 22 May										
08:30	Student Lectures Chair: Eduard Prat Costa		Auditorium Michel D'Ornano Chair: Peter McIntosh	Auditorium Michel D'Ornano Chair: Jordi Marcos	Auditorium Thalasso Chair: John Thomason	Auditorium Michel D'Ornano Chair: Prapong Kiysubun	Auditorium Thalasso Chair: Fulviat Pilat	Auditorium Michel D'Ornano Chair: Viktor Malka	Auditorium Thalasso Chair: Sarah Cousineau	Auditorium Michel D'Ornano Chair: Marie-Helene Moscatello	Auditorium Thalasso Chair: Seughwan Shin						
09:00	Welcome Words . Julien Michaud, ICJLab & Eduard Prat Costa, PSI		Opening of IPAC'26, Peter McIntosh, STFC French Ministry representative Welcome address Welcome Address, Jean Dailiant, ESRF Welcome Address, Jean Susini, SOLEIL Welcome Address, Pierre Vedrine, IRFU Welcom Address, Christelle Roy, CNRS Pratical details from LOC, Hanna Franberg-Delahaye, GANIL	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	Colliders and related accelerators, Yannis Papaphilippou, CERN																
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09:50	GANIL - facility latests achievements and upgrades, Robin Ferdinand, GANIL		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							
10:00				EuPRAXIA at ELI ERIC: Development of a Compact LPA FEL and Plasma Source for Ultrafast Science, Alexander Molodchentshev, 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						
10:10			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	Auditorium Michel D'Ornano																
10:50	Chair: Rogelio Tomás García																
11:00		Coffee Break (10:40-11:10)	Chair: Ralf Gebel	Chair: Tadashi Koseki	Chair: Mamad Eshraqi	Chair: Enrica Chiadroni	Chair: Liangting Sun	Chair: Toru Hara	Review of inverse Compton scattering sources and research paths towards fundamental physics studies, Vittoria Petrillo, Uni. Milan and INFN								
11:10	Chair: Alessandro Fabris																
11:20	Synchrotron light facility updates: the bright future of synchrotron science, Laurent Chapon, ANL																
11:30	Advanced acceleration techniques and novel particle sources, Edda Gschwendtner, CERN										Progress and status of high intensity heavy ion accelerator facility (HIAF) in China, Jiancheng Yang, IMP/CAS	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	Accelerator research for proton therapy, Andrea Denker, HZB	Overview of the Beam Position Monitors Development for the Next Generation Light Sources, Laura Torino, ALBA	
11:40											First Acceleration of Positive Muons: From Initial Demonstration to High-Energy Development, Masashi Otani, KEK	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 Beinortaitė, DESY	Update on the FAIR Machine Installation Status, Janet Schmidt, GSI	Emittance measurement of the CERN antimatter beam for the GBAR experiment, Sarah Geoffroy, IJCLab
11:50	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									
12:00																	
12:10	Lunch	Lunch (12:40-14:00)	Lunch (12:30-14:00)	Lunch (12:30-13:30)	Lunch (12:30-14:00)	Lunch (12:30-14:00)	Lunch (12:30-14:00)	Lunch (12:30-14:00)	Chair: Peter McIntosh								
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13:00	Hadron accelerators, Hongwei Zhao, IMP	Auditorium Michel D'Ornano Chair: Nuria Catalan	Auditorium Thalasso Chair: Adriana Rossi	Chair: Yine Sun	Chair: Adriana Wawrzyniak	Chair: Marco Marchetto	Chairs: Jean-Luc Revol & Nicolas Berton	Auditorium Michel D'Ornano Chair: Ralph Assmann	Laboratory Tours								
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14:00	Beam dynamics and EM fields, Nicholas Pichoff, CEA	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	Sustainability issues in Asian Accelerator Laboratories , Ping He, IHEP	Sustainability meets reality: the industry perspective, Benjamin Bromberger, IJ	Sustainable Procurement and Project Lifecycle - Feedback from industry SIGMAPHI, Vincent Sigalo, SIGMAPHI							
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14:50	15:30-16:30 Beam instrumentation, controls, feedback and operation aspects, Peter Forck, GSI	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	Joint universities accelerator school : History and successes,Elias Metral, JUAS	Chair: Hanna Franberg-Delahaye	Entertainment session Horses in France: A ride through history, regions and science Roseline Travert, IFCE	MC1 Colliders and Related Accelerators							
15:00																	
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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	AI and machine learning techniques for LNL accelerators, Ysabella Kassandra Ong, INFN	From Students to Experts – an Industry Perspective, Anna Christine Balazic, COSYLAB	A ride through history, regions and science Roseline Travert, IFCE	MC2 Photon Sources and Electron Accelerators								
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19:00	Acceleration technology and sustainability, Mike Seidel, PSI	Applications of Accelerators, Engagement with Industry, Technology Transfer and Outreach (TBC)	Welcome Reception (18:00-21:00)	Conference Reception (20:00-00:00) Casino Barrière Deauville	Equal Opportunities session Chair: Atoosa Messek Women in Physics: The Dangers of Success, the Forces of Inertia, and Pathways to Equity Beate Ceranski (Historisches Institut, Stuttgart), Ewelina Ciapiuta (Inst. of Sociology, Krakow)	Casino Barrière Deauville	Conference Banquet (19:30-01:00) Pôle International du Cheval Deauville	MC3 Advanced acceleration techniques and novel particle sources									
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									MC5 Beam Dynamics and EM Fields								
									MC6 Beam Instrumentation, operation Controls, Feedback and Operational Aspects								
									MC7 Accelerator technology and sustainability								
									MC8 Applications of Accelerators, Engagement with Industry, Technology Transfer and Outreach								