

IPAC'25 Scientific Program

Time	Sunday 1 June	Monday 2 June	Tuesday 3 June		Wednesday 4 June		Thursday 5 June		Friday 6 June	
		Pleanry Hall ,TICC	Hall 101 ,TICC	Hall 201,TICC	Hall 101 ,TICC	Hall 201,TICC	Hall 101 ,TICC	Hall 201,TICC	Hall 101 ,TICC	Hall 201,TICC
9:00		Welcome Address	TUXD1 Personnel and machine protection for FRIB commissioning, operations, and power ramp up Masanori Ikegami, FRIB	TUXN1 Elevating Beam Quality and Stability in Linear Accelerators through High Order Mode Analysis Sanae Samsam ,JFN	WEXD1 Experimental demonstration of particle acceleration with normal conducting accelerating structure at cryogenic temperature Mamdouh Nasr, SLAC	WEXN1 Upgrade of KEK electron/positron injector Linac by using pulse magnets and machine learning Takuya Natsui , KEK	THXD1 Guiding of charged particle beams in curved plasma-discharge capillaries Riccardo Pompili,JFN	THXN1 Review of beam based correction and optimisation for accelerators Xiaobiao Huang,SLAC	FRXD1 Review of impedance effects for accelerators Takeshi Toyama, KEK	FRXN1 Deceleration of Ion Beams - Related Challenges and Opportunities Frank Herfurth ,GSI
9:10										
9:20										
9:30		MOXP1	TUAD1 Contributed talk	TUAN1 Contributed talk	WEAD1 Contributed talk	WEAN1 Contributed talk	THAD1 Contributed talk	THAN1 Contributed talk	FRXD2 Review of Linear and Nonlinear Optics Measurements in the CERN LHC Ewen Hamish Maclean , CERN	FRXN2 Enhanced proton and neutron production using the ultra-short (24 fs) and high-power (2 PW) Apollon laser facility Julien Fuchs, CNRS
9:40		The Operational Challenges: Achieving 500 mA High Beam Current at Taiwan Photon Source Ping-Jung Chou , NSRRC								
9:50		MOXP2	TUAD2 Contributed talk	TUAN2 Contributed talk	WEAD2 Contributed talk	WEAN2 Contributed talk	THAD2 Contributed talk	THAN2 Contributed talk	FRXD3 EIC accelerator status Sergei Nagaitsev, BNL	FRXN3 Neutron target for high-intensity operation at J-PARC MLF Katsuhiro Haga , JAEA
10:00		High Beam Power Operations at Heavy Ion Facilities: Technical Developments, Challenges and Resolutions Osamu Kamigaito ,RIKEN Nishina Center								
10:10			TUAD3 Contributed talk	TUAN3 Contributed talk	WEAD3 Contributed talk	WEAN3 Contributed talk	THAD3 Contributed talk	THAN3 Contributed talk		
10:20										
10:30		Coffee break (30 mins) @TWTC	Coffee break (30 mins) @TWTC		Coffee break (30 mins) @TWTC		Coffee break (30 mins) @TWTC		Coffee break (30 mins) @TICC	
		Hall 101 ,TICC	Hall 101 ,TICC	Hall 201,TICC	Hall 101 ,TICC	Hall 201,TICC	Hall 101 ,TICC	Hall 201,TICC	Hall 101 ,TICC	
11:00		MOYA1	TUYD1 Record beam intensity productions of Highly charged heavy ions by 28-45 GHz superconducting CCR ion sources at IMP Liangting Sun,IMP	TUYN1 Design Initiatives for a 10 TeV pCM Wakefield Collider Spencer Gessner,LBNL	WEYD1 Assessing and Increasing the sustainability of future accelerator based facilities Ben Shepherd, STFC	WEYN1 Ultrafast visualization of an electric field under the Lorentz transformation Koichi Kan, QST	THYD1 Reinforcement Learning in Particle Accelerators Andrea Santamaria Garcia, KIT	THYN1 Beam commissioning of K=500 Superconducting Cyclotron at VECC Jayanta Debnath ,DAE	FRYD1 Future circular Higgs factories: Status and prospective Yuhui LI ,IHEP	
11:10		Review of nonlinear resonances in accelerators and storage rings; including a discussion of chaos, particle diffusion and dynamic aperture Shyh-Yuan Lee , Indiana University Bloomington								
11:20		MOYA2	TUBD1 Contributed talk	TUBN1 Contributed talk	WEBD1 Contributed talk	WEBN1 Contributed talk	THBD1 Contributed talk	THBN1 Contributed talk	FRYD2	
11:30		Liquid lithium charge stripping technology: achievement and lessons learned Takuji Kanemura, FRIB ,Michigan State Univ.							Latest Achievements in Femtosecond Synchronization of Large Scale Facilities Sebastian Schulz, DESY	
11:40			TUBD2 Contributed talk	TUBN2 Contributed talk	WEBD2 Contributed talk	WEBN2 Contributed talk	THBD2 Contributed talk	THBN2 Contributed talk	FRYD3	
11:50		MOYA3							BeamPIE – a suborbital test of an accelerator for space applications Quinn Marksteiner ,LANL	
12:00		RF Acceleration with Short Pulses: Breaking the High-Gradient Barrier Xueying Lu, ANL	TUBD3 Contributed talk	TUBN3 Contributed talk	WEBD3 Contributed talk	WEBN3 Contributed talk	THBD3 Contributed talk	THBN3 Contributed talk		
12:10										
12:20										
12:30		Lunch break (90 mins) @ TWTC	Lunch break (90 mins) @ TWTC		Lunch break (90 mins) @ TWTC		Lunch break (90 mins) @ TWTC		Closing Remarks (12:30 - 13:00)	
		Hall 101 ,TICC	Hall 201,TICC	Hall 101 ,TICC	Hall 201,TICC	Hall 101 ,TICC	Hall 201,TICC	Hall 101, TICC		
14:00	Student Poster Session (TWTC)	MOZD1	MOZN1 Overview of permanent magnet implementations for advanced light sources Ciro Calzolaio,PSI	TUZD1 Toward realization of few-cycle free electron lasers: basic concept and its experimental demonstration Takashi Tanaka ,RIKEN Spring-8	TUZN1 Carbon ion therapy facility at Taipei Veterans General Hospital Keng-Li Lan,Taipei Veterans General Hospital	WEZD1 Cascaded hard X-ray self-seeded free-electron laser at megahertz repetition rate Shan Liu, DESY	WEZD2 LCLS-II commissioning and operation with high-repetition-rate CW FELs Yuantao Ding ,SLAC	Award Session		
14:10		ILC accelerator status Hiroshi Sakai, KEK								
14:20										
14:30		MOZD2	MOZN2 Development for Various Applications at Compact ERL as a high-power CW SRF linac in KEK Masahiro Yamamoto, KEK	TUZD2 SPS-II Project: Status update Porntip Sudmuang, SLRI	TUZN2 Compact hadron sources and linacs for societal applications Alessandra Lombardi ,CERN					
14:40		Status of the Baseline Design for a 10 TeV Muon Collider Daniel Schulte, CERN								
14:50										
15:00		MOCN1	MOCN1 Contributed talk	TUCD1 Contributed talk	TUCN1 Contributed talk					
15:10		MOCN2	MOCN2 Contributed talk	TUCD2 Contributed talk	TUCN2 Contributed talk					
15:20		MOCN3	MOCN3 Contributed talk	TUCD3 Contributed talk	TUCN3 Contributed talk					
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		Poster Session / Coffee (TWTC)	Poster Session / Coffee (TWTC)	Poster Session / Coffee (TWTC)	Poster Session / Coffee (TWTC)			Poster Session / Coffee (TWTC)		
								Facility Tour (13:30 -)		
								Taiwan Photon Source , National Synchrotron Radiation Research Center or Heavy Ion Therapy Center , Taipei Veterans General Hospital		