	IPAC'22 Synoptic Table										
Time Sunday	Monday Chair: Prapong Klysubun (SLRI)		Tue: Chair: Timothy Maxwell (SLAC)	sday Chair: Thapakron Pulampong (SLRI)	Wed: Chair: Xinchou Lou (IHEP)	chair: Ralph Assmann (DESY)	Thu Chair: Tadashi Koseki (KEK)	sday Chair: Kouichi Soutome (RIKEN)	Frie Chair: Timothy Maxwell (SLAC)	Chair: Thapakron Pulampong (SLRI)	
9:00 - 9:10	Welcome Message		Adi Hanuka (SLAC)	Sol Omolayo(LBNL)	Derong Xu (BNL)	Karl Zeil (HZDR)	Hongwei Zhao (IMP)	Nobuyuki Nishimori (QST)	Wolfgang Höfle (CERN)	Takao Asaka (JASRI)	
9:10 - 9:20		nakoshi (KEK)	Accurate and Confident Prediction of Electron Beam Longitudinal Properties Using Spectral Virtual Diagnostics	Recent Achievements in the NEG Technology in Application to Coating Vacuum Chambers of Constrained Geometries	EIC Beam Dynamics Challenges	Towards High-Repetition Rate Petawatt Laser Experiments With Cryogenic Jets Using a Mechanical Chooper System	High Intensity Beam Accelerator Facilities HIAF and CIADS: Status and Demonstrations of Key Technologies	A New Compact 3 GeV Light Source in Japan	Status and Prospects in Fast Beam-Based Feedbacks	Low-Emittance Compact RF Electron Gun With a Gridded Thermionic Cathode	
9:20 - 9:30	The SuperKEKB Has Broken the	e World Record of the Luminosity	congrittional Properties using spectral virtual pragnosities	Geometries		Chopper System	CADS. Status and Demonstrations of Key Technologies			mennionic Cachode	
9:30 - 9:40				Valentine Petit (CERN)	Mauro Migliorati (Sapienza Univ. of Rome)	Kouichi Jimbo (QST)	Laurette Ponce (CERN)	Zhilong Pan (TUB)	Tatiana Nechaeva (MPI-P)	Chihiro Ohmori (J-PARC, KEK & JAEA)	
9:40 - 9:50	Enrica Chiadro	oni (INFN/LNF)	Gaku Mitsuka (KEK) Design and Construction of Optical System of the Coronagraph for Beam Halo Observation in the SuperKEKB	Origin and Mitigation of the Beam-induced Surface Modifications of the LHC Beam Screens	Studies and Mitigation of Collective Effects in FCC-ee	Proposal for a Compact Neutron Generator Based on a Negative Deuterium Ion Beam	ELENA From Commissioning to Operation	Low-Aloha Storage Ring Design for Steady-State	A Method for Obtaining 3D Charge Density Distribution of	20-Year Collaboration on Synchrotron RF Between CERN	
9:50 - 10:00		Progress Towards Demonstration of a Plasma Based FEL		Katrina Howard (Univ. of Chicago)	Stephen Brooks (BNL)	Sophie Crisp (UCLA)	Nilanjan Banerjee (Enrico Fermi Institute)	Microbunching to Generate EUV Radiation Illya Drebot (INFN)	Shukui Zhang (JLab)	and J-PARC Jiahang Shao (ANL)	
10:00 - 10:10			Salvatore Danzeca (CERN) Wireless IoT in Particle Accelerators: A Practical Approach With the IoT Radiation Monitor at CERN	Analysis of Low RRR SRF Cavities	Electron Ion Collider Lattice Design for LHeC With Permanent Magnets	Progress in Multi-Mev Energy Gain in a Relativistic Dielectric Laser Accelerator	Electron Cooling Experiment for Proton Beams With Intense Space-Charge in IOTA	Brixsino High-Flux Dual X-Ray and THz Radiation Source	Development of a Quantum Electron Beam Diagnostic	Demonstration of Gradient Above 300 MV/m in Short	
10:10 - 10:20	David Tarazona	a (Cornell Univ.)	Frederick (Eric) William Cropp V (UCLA)	Toms Torims (Riga Technical Univ.)	Huiping Geng (IHEP)	Annika Gabriel (SLAC)	Hyung Jin Kim (IBS)	Based on Energy Recovery Linacs Georgia Paraskaki (DESY)	Apparatus Hitomi Ikeda (KEK)	Pulse Regime Using an X-Band Single-Cell Structure Nuria Catalan-Lasheras (CERN)	
10:20 - 10:30	The Accelerator and Beam Physics of the g-2 Experiment		6D Phase Space Diagnostics Based on Adaptively Tuned Physics- Informed Generative Convolutional Neural Networks	Evaluation of Geometrical Precision and Surface Roughness Quality for the Additively Manufactured Radio Friequency Quadrupole Prototype	An Alternative Design for BEPCII Upgrade	mm-Wave Structure Development for High Gradient	Commissioning Status of the Injector of RAON Superconducting Accelerator	Path to High Repetition Rate Seeding: Combination of High Gain Harmonic Generation With an Optical Klystron	Injection Beam Measurement Using Synchrotron	First Operation of a Klystron Fitted With a Superconducting MgB2 Solenoid	
10:30 - 10:40				nins, 10:30 - 11:00)	Coffee break (30 n	ACCERTATION		nins. 10:30 - 11:00)	Radiation Monitor at the SuperKEKB Electron Ring Coffee break (30 m		
	Coffee break (30 mins, 10:40 - 11:10)		Chair: Tadashi Koseki (KEK) Chair: Kouichi Soutome (RIKEN)		Chair: Marie-Helene Moscatello (CEA) Chair: Franz-Josef Decker (SLAC)		Chair: Timothy Maxwell (SLAC) Chair: Thapakron Pulampong (SLRI)		Chair: Hitoshi Tanaka (RIKEN)		
11:00 - 11:10	Chair: Hyyong Suk (GIST)	Chair: Rohan Dowd (AS - ANSTO)	Andreas Jansson (ESS ERIC)	Thomas Tschentscher (EuXFEL)	Verena Kain (CERN)	Erik Jan Wallén(LBNL)	Yingbing Yan (SSRF)	Sushil Sharma (BNL)	Mike Sei	del (PSI)	
11:10 - 11:20	Robert Joel England (SLAC)	Auralee Edelen (SLAC)	The Status of the European Spallation Source	Science Highlights From Hard X-ray FELs	Achievements and Performance Prospects of the Upgraded LHC Injectors	New Designs of Short-Period Undulators for Producing High-Brightness Radiation in Synchrotron Light Sources	White Rabbit Based Beam-Synchronous Timing System for SHINE	Development of Advanced Magnets for Modern and Future Synchrotron Light Sources	Towards Efficient Particle	Accelerators - a Review	
11:20 - 11:30	Progress in Developing an Accelerator on a Chip	Machine Learning as a Tool for Online, Surrogate Modelling of Beam Dynamics			opgraded LHC injectors	ngrenginness kaustion in Synchronon Light Sources	TO SPERE	Fotore Synchrotron Light Sources			
11:30 - 11:40		Modelling of Beam Dynamics	Hiroshi Imao (RIKEN Nishina Center)	Haixiao Deng (SINAP)	Pranab Kumar Saha (J-PARC/JAEA)	Ihar Lobach (ANL)	Kacper Lasocha (Jagiellonian Univ.)	Alexander Bainbridge (STFC/DL/ASTeC)	Maniit Dosanih (C	RN/Oxford Univ.)	
11:40 - 11:50	Chen Lin (PKU)	Riccardo Bartolini (DESY)	Present Status and Future Plan With Charge Stripper	Self-Amplification of Coherent Energy Modulation in Seeded Free-Electron Lasers	Recent Results of Beam Loss Mitigation and Extremely Low Beam Loss Operation of J-PARC RCS	Experiments With Undulator Radiation, Emitted by a	Experimental Verification of Several Theoretical Models	Construction and Measurement of a Tuneable Permanent Magnet Quadrupole for Diamond Light Source	Accelerating the Future: Designing a Robust and Afforda		
11:50 - 12:00	Recent Progress of Compact LAser Plasma Accelerator at Peking University	Touschek and Intrabeam Scattering Effects in Extremely Low Emittance Storage Rings	Ring at RIKEN RIBF	Seeded Free-Electron Lasers	Low Beam Loss Operation of J-PARC RCS Vladimir N. Litvinenko (Stony Brook Univ.)	Single Electron Alexandre Moutardier (Univ. Paris-Saclav)	for ChDR Description Raffael Niemczyk (DESY)	Tatsunobu Shibata (KEK)	Enviror	iments	
12:00 - 12:10	Peking University	Low Emittance Storage Rings	Jie Wei (FRIB)	Gabriel Marcus (SLAC)	Results of the Coherent Electron Cooling Experiment at	First Electron Beam of ThomX Project	Experimental Slice Emittance Reduction at PITZ Using	The New Eddy Current Type Septum Magnet for	Tomoki Nakamur	a (Tohoku Univ.)	
12:10 - 12:20	Greogor Loisch (DESY)	Frank Zimmermann (CERN)	FRIB Commissioning and Early Operations	Research and Development Towards Cavity-Based X-ray Free-Electron Lasers	RHIC Sergey Litvinov (GSI)	Nashat Khaled Sawai (SESAME)	Laser Pulse Shaping Woojin Song (POSTECH)	Upgrading of Fast Extraction in Main Ring of J-PARC Ibrahim Kesgin (ANL)	Synchrotron Light Illuminates		
12:20 - 12:30	Experiments Towards High-Repetition Rate Plasma	Impact of Longitudinal Gradient Dipoles on Storage Ring		Free-Electron Lasers	Isochronous Mode of the Experimental Storage Ring (ESR) at GSI	Operation Experience with SESAME RF System	Online Measurement of Bunch Lengths and Fill-pattern in	Progress on the Nb3Sn Superconducting Undulator Development at the Advanced Photon Source			
12:30 - 12:40	Wakefield Acceleration at FLASHForward Edda Gschwendtner (CERN)	Performance Murilo Barbosa Alves (LNLS)			(ESR) at GSI		the PLS-II Storage Ring using a Fast Photodiode	Development at the Advanced Photon Source			
12:40 - 12:50	The AWAKE Experiment in 2021: Performance and Preliminary Results on Electron-Seeding of Self-Modulation	Measurements of Collective Effects Related to Beam	Lunch break (90 m	i 12:20 14:00)	Lunch break (90 n	ing 12-20, 14-00)	Lunch break (90 m	i 12:20 14:00)	Closing Remarks	(12-20, 12-00)	
12:40 - 12:50				Lunci break (90 mins, 12:30 - 14:00)		Lunch break (50 mms, 12:50 - 14:00)		Lunch break (50 mins, 12130 * 14300)			
	Lunch break (70 m	Lunch break (70 mins, 12:50 - 14:00)						Chair: Prapong Klysubun (SLRI)		4	
14:00 - 14:10			Chair: Peter McIntosh (STFC) Georg Hoffstaetter (Cornell Univ.)	Chair: Rogelio Tomas (CERN) Xinchou Lou (IHEP)	Chair: Ralph Assmann (DESY) Xuevan Shi (IHEP)	Chair: Rohan Dowd (AS - ANSTO)	Chair: Prapong	kiysubun (SLRI)			
14:00 - 14:10 14:10 - 14:20			Georg Hoffstaetter (Cornell Univ.) An ERL-Driven Intense Compton Source Above 100 keV and Other ERL Applications	Xinchou Lou (IHEP) Status of the Circular e+e- Collider Projects in Asia and Europe: CEPC and FCC-ee	Xueyan Shi (IHEP) Design of an LPA-Based First-Stage Injector for a	Toshihiko Hiraiwa (RIKEN SPring-8 Center) Interpretation of Particle Motion in a Circular Accelerator as Diffraction of Light					
14:10 - 14:20			and Other ERL Applications	Europe: CEPC and FCC-ee		as Diffraction of Light			MC1 Circular and Linear Colliders		
					Claudio Emma (SLAC) Status and Prospects for the Plasma-Driven Attosecond X-		Awards	Session			
14:30 - 14:40			Yoshie Otake (RIKEN) RIKEN Accelerator-Driven Compact Neutron Systems	Daniel Schulte (CERN) Muon Colliders: Where Are We?	Status and Prospects for the Plasma-Driven Attosecond X- Ray (PAX) Experiment at FACET-II	Giuliano Franchetti (GSI)			MC2 Photon Sources and Electron Accelerators		
14:40 - 14:50			RIKEN Accelerator-Driven Compact Neutron Systems, RANS Project and Their Capabilities			Trapping of Neutral Molecules by the Electromagnetic Beam Field			MC3 Novel Particle Sources and Acceleration Tech	niques	
14:50 - 15:00	Registration for Opening Ceremony (08:00 - 16:00)	Poster Session / Coffee (14:00 - 16:00)							MC4 Hadron Accelerators		
15:00 - 15:10 15:10 - 15:20			Ryan Bodenstein (JLab) Need for Portable Accelerators in Cultural Heritage	Jacqueline Keintzel (CERN) Prospects for Optics Measurements in FCC-ee		Seong-Yeol Kim (ANL) Longitudinal Burch Staging Using an X-Band Transverse Defecting Cavity	v Entertainment Session		MC5 Beam Dynamics and EM Fields		
						Powered by Wakefield Power Extractor at Argonne Wakefield Accelerator Facility			MC6 Beam Instrumentation, Controls, Feedback a	nd Operational Aspects	
15:20 - 15:30			Maurizio Vretenar (CERN)	Mika Masuzawa (KEK)		Natalia Triantafyllou (The Univ. of Liverpool)			MC7 Accelerator Technology		
15:30 - 15:40			A Compact Synchrotron for Advanced Cancer Therapy With Helium and Proton Beams	Chromatic X-Y Coupling Correction by Tilting Sextupole Magnets in the SuperKEKB Positron Ring	Industry Session (14:40 - 16:40)	Investigating the Suppression of the Crab Cavity Noise Induced Emittance Growth From the Transverse Beam Impedance			MC8 Applications of Accelerators, Technology Tran	sfer and Industrial Relations	
15:40 - 15:50 Student Poster			Emma Snively (SLAC) Rapid RF-Driven 3D Pencil Beam Scanning for Proton	Bettina Christa Kuske (HZB) The European ERL Roadmap		Yoshihiro Shobuda (JAEA/J-PARC) Measurements of the Radiation Fields From a Ceramic			Non-MC		
15:50 - 16:00 Session			Therapy	The consponence rootship		Break					
16:00 - 16:10						Michele Carlà (ALBA-CELLS Synchrotron) Full Coupling Studies for ALBA-II					
16:10 - 16:20						The coupling scalars to scale a					
16:20 - 16:30											
16:30 - 16:40											
16:40 - 16:50				Poster Session / Coffee (16:00 - 18:00)							
16:50 - 17:00			Poster Sess					ion / Coffee - 18:00)			
17:00 - 17:10			(16:00	,			(16:00	,			
17:10 - 17:20											
17:20 - 17:30		l			Denter Pro-	ion / Coffee					
17:30 - 17:40	Opening Ceremony				(16:20	ion / Coffee - 18:20)					
17:40 - 17:50	Presided over by H.R.H. Princess Maha Chakri Sirindhorn										
17:50 - 18:00	Chris Polly (Fermilab) Growing Expectations for New Physics				1						
18:00 - 18:10	Growing Expectations for NEW Physics		-								
18:10 - 18:15											
18:15 - 18:20	Prapaiwan Sunwong (SLRI) SPS-II: A 4th Generation Synchrotron Light Source in Southeast Asia						-				
18:20 - 18:30 Welcome	. 5 A fui dene autri synchronon Light Source in Sourceas, ASB								4		
18:30 - 18:40 Reception											
18:40 - 18:50											
18:50 - 19:00			Chair's Reception				Conference Banquet				
19:00 - 19:30											
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