

Monday		Tuesday		Wednesday		Thursday		Friday	
Hall A		Hall B		Hall A		Hall B		Hall A	
8:30		8:30		8:30		8:30		8:30	
8:40	welcome	Installation and Commissioning of the Upgraded SARAF 4-rods RFQ L. Weissman	ESS Commissioning Plans N. Milas	Beam physics, what is missing for the design and operation of high-power linacs? A. Shisho		Operational challenges of FFAGs Y. Mori	New electron cloud instability mechanism and its detection and suppression V. Lebedev		
9:00	Challenges in understanding space charge dynamics H. Bartosik	Recent progress on the ESS Project M. Eshraqi	KOMAC operation and future plans Y.-S. Cho	Nonlinear integrable optics to facilitate high intensity operation A. Vaishev		SNS operation and upgrade plans A. Shisho	Requirements and results for quadrupole mode measurements A. Oeffinger	Summary WG-A	
9:30	Beam dynamics challenges for the LHC and injector upgrades G. Rumolo	FRIB SRF cryomodules production status and performance testing J. Popielarski	Commissioning status and plans of CSNS S. Xu	Beam dynamics and beam commissioning of 10 MeV CW proton superconducting linac based on Spoke cavities F. Yan	Theory of lattice sum resonances with space charge G. Franchetti	Status and beam power ramp-up plans of the Slow extraction (SX) M. Tomizawa	BPM technology for quadrupolar moment measurements A. Sounas	Summary WG-B	
10:00	Linac4 commissioning status and challenges to nominal operation G. Bellodi	Applications of Neural Networks to the Modeling and Control of Particle Accelerators A. Edelen	High Intensity Proton Stacking at Fermilab: 700 kW Running R. Ainsworth	Characterization of high intensity beams in Linacs P.A.P. Nghiem	Approaching the High-Intensity Frontier Using the Multi-Turn Extraction at the CERN Proton Synchrotron A. Huschauer	High-intensity challenges for the operation of the CERN injector complex K. Hanke	nBLM: Beam loss monitors based on fast neutron detection T. Papaevangelou	Summary WG-C	
10:30		Discussion	Discussion	Discussion	Discussion	Discussion	Discussion		
11:00	Status of the CSNS Commissioning S. Wang	SARAF-LINAC cryomodules N. Pichoff	FAIR commissioning-Concepts and Strategies in View of High-Intensity Operation R. Steinhausen	Beam loss mechanisms in ion linacs and development of beam collimation system T. Maruta	High intensity effects on fixed target (non-LHC) beams in the CERN injector Complex E. Koukoulin-Platis	Operation challenges and performance of the LHC during Run II R. Streenberg	Bayesian Optimization for Online FEL Tuning at LCLS J. Duris	Summary WG-D	
11:30	FRIB: Accelerator Physics Update and Initial Commissioning Q. Zhao	Current status of SC cavities R&D for new superconducting injector linac for JINR Nucleon-NICA S.M. Polozov	High-power operation at J-PARC S. Igarashi	Recent studies of beam physics for ion linacs at GSI L. Groening	Microbunched Electron Cooling (MEBC) for future electron-ion colliders G. Stupakov	Low Energy RHIC electron Cooling (LERc): Challenges and Commissioning Progress A. Fedotov	Application of machine learning for the IPM-based profile reconstruction M. Sapinski	Summary WG-E	
12:00	Status of the RAON and its Beam Dynamics J.-H. Jang	Studies on superconducting deuteron driver linac for BISOL F. Zhu	Automated operation of EBIS Injector at BNL T. Kanesue	HIAF front end for transmission and acceleration of 30 pA 238U35+	High intensity studies with Paul trap S. Sheehy	Conceptual Design of FLNR JINR Radiation Facility Based on DC130 Cyclotron N. Kazantsov	Discussion	Summary of the laser plasma acceleration researches in Korea H. Suk (GIST)	
12:30		High RF power conditioning of the RISP RFQ B.-S. Park	Discussion	Discussion	Discussion	Discussion	Discussion	Closing	
14:00	J-PARC RCS H. Hotchi	Understanding the Source and Impact of Errant Beam Loss in the SNS Superconducting Linac C. Peters	High Intensity Proton Studies at RAL C. Prior	Beam Dynamics of the ESS linac N. Milas	Simulations of electron-ion effects and relevance to LHC experience in 2017 L. Mether	Commissioning status of linear IFMIF Prototype Accelerator (LIPAc) A. Kasugai	MEBT laser notch (chopper) for Booster loss reduction D. Johnson		
14:30	IMP Heavy ion synchrotron J. Yang	Experimental Study of Beam Dynamics in the PIP-II MEBT prototype A. Shemyakin	Fixed Field Alternated Gradient Machines and Space Charge A. Adelmann	Beam dynamics simulation and measurements for the IFMIF/VEDA project M. Comunian	Beam-beam studies in the LHC and its high-luminosity upgrade & FCC beam-beam studies Y. Papaphillipou	Beam Dynamics in Low Energy Beam Lines with Space Charge Compensation N. Chauvin	Status of Proof-of-Principle Demonstration of 400 MeV H-Stripping to Proton by Using Only Lasers at J-PARC P. K. Saha		
15:00	High intensity issues in storage rings M. Steck	Discussion	Beam Instabilities After Injection to the LHC H. Timko	First Heavy Ion Beam Acceleration with a superconducting multi gap CH-cavity W. Barth	IBS near transition crossing S. Kostromin	Classification of space charge resonances and instabilities D. Jeon	Design of 162-MHz CW bunch-by-bunch chopper and prototype testing results S. Shemyakin		
15:30			Discussion	Design of Linac-100 and Linac-30 for New Rare Isotopes Facility Demca at JINR S. Polozov	Discussion				
16:00	Beam physics limitations for damping of instabilities in circular accelerators V. Lebedev	60mA beam study and efforts for beam loss mitigation in J-PARC linac Y. Liu	Injection foil temperature measurements at the SNS accelerator W. Blokkand	Optical Stochastic Cooling Experiment at the Fermilab IOTA Ring J. Jarvis		Revisiting the longitudinal 90° limit for superconducting linear accelerators I. Hofmann	FNAL-Booster second-harmonic RF cavity R. Madrak		
16:30	Chromaticity effects on head-tail instabilities for broadband impedance using two particle models, Vlasov analysis, and simulations Y.H. Chin	Simulation and measurement campaigns for characterization and performance improvement of the CERN hadron linacs G. Bellodi	The Los Alamos Ultraacid Neutron Source: Optimization of a cold neutron moderator coupled to a compact spallation target M. Makela	Momentum Slip-Stacking Simulations for CERN SPS Ion Beams After Upgrade D. Quarntillo		High-intensity beam dynamics simulation of the IFMIF-like accelerators S.H. Moon	LLRF Studies for HL-LHC Crab Cavities P. Baudreghian		
17:00	Experiments and Theory on Beam Stabilisation With Second Order Chromaticity M. Schenk	Emittance Growth and Beam Losses in LANSCE Linear Accelerator Y. Batygin	The Beam Conditions on the Target and its Operational Impacts on Beam Intercepting Devices at European Spallation Source Y. Lee	Studies of capture and flat-bottom losses in the SPS M. Schwarz		Influence of their features on the beam reference line errors on the beam longitudinal dynamics of Low Energy Superconducting Linac Z. Li	The choosing of the magnetic structure of isochronous cyclotron DC130 for applied applications. I. Ivanenko		
17:30	Recent Results From the Wideband Feedback System Plans K. Li	The Beam Dynamics Design of CW RFQ for Chinese ADS W. Dou	Effect of the Extraction Kickers on the Beam Stability in the CERN SPS A. Farnicker	Dynamic vacuum simulation for the BRING in the HIAF facility P. Li		Halo Formation of the Nonuniform Beam in Periodic Solenoidal Fields Y.L. Cheon	Discussion		
17:30	Simulation and measurement of the TMCI threshold in the LHC D. Amorim	Analysis of envelope perturbations in high-intensity beams using generalized Courant-Snyder formalism M. Chung	Radiation damage calculation in PHITS and benchmarking experiment for cryogenic high-energy proton irradiation Y. Watanabe	Beam dynamics study of the heavy ion bunch rotation with space charge effect in BRing at HIAF D.Y. Yin		The beam dynamics design of HIAF superconducting injector S. Liu			
18:00	Discussion		Discussion	Discussion		Discussion			
Poster Session									
RAON Tour									