

	Monday, July 1st Facilities	Tuesday, July 2nd Fundamental R&D	Wednesday, July 3rd SRF Technology	Thursday, July 4th Fundamental R&D	Friday, July 5th Cavities			
8:00	Opening Ceremony by Roland Sauerbrey (director of HZDR) and Peter Michel (conference chair), 20min	The Field-Dependent Surface Resistance of Doped Niobium: New Experimental and Theoretical Results, James T. Maniscalco, Cornell, 20min	ESS Technology Development at IPNO and CEA Paris-Saclay, Guillaume Devanz, CEA, 20min	RF Characterization of an S-I-S Multilayer Sample, Sebastian Keckert, HZB, 15min	Overview of SRF Deflecting and Crabbing Cavities, Suba De Silva, ODU, 20min			
8:05				Evaluation of the Superconducting Characteristics of Multi-Layer Thin-Film Structures of NbN/SiO <sub>2</sub> on Pure Nb Substrate, Ryo Katayama, KEK, 15min				
8:10	LCLS-II: SRF Scope, Status, Issues and Plans, Marc Christopher Ross, SLAC, 30min	Overview of Progress in High Q and High G in Niobium Cavities, Anna Grassellino, FNAL, 20min	SRF Cryomodules for PIP-2 at Fermilab, Genfa Wu, FNAL, 25min	Material and Superconducting Properties of NbTiN/AlN Multilayer Films, Anne-Marie Valente-Feliciano, JLab, 15min	Balloon Single Spoke Resonator - A New Variant for Reduced Multipacting, Zhongyuan Ya / Robert E. Laxdal, TRIUMF, 20min			
8:15						Development of a Qualitative Model for N-Doping Effects on Nb SRF Cavities, Ari Deibert Palczewski, Jlab, 15min	Status of the IFMIF-EVEDA Superconducting Linac, Nicolas Bazin, CEA, 15min	Field-Dependent Nonlinear Surface Resistance and Its Optimization by Surface Nano-Structuring of the SRF Cavities, Takayuki Kubo, KEK, 20min
8:20								
8:25		Recent Development on Nitrogen Infusion Work Towards High Q and High Gradient, Pashupati Dhakal, JLab, 15min	FRIB Cavity and Cryomodule Performance, Comparison With the Design and Lessons Learned, Sam J. Miller, FRIB, 20min	Field Limitation in Nb <sub>3</sub> Sn Cavities, Ryan Douglas Porter, Cornell, 20min				
8:30					Surface Analysis of Niobium After Thermal/Gas Treatments via Samples - Review, Arti Dangwal Pandey, DESY, 20min	Successful Beam Commissioning in STF-2 Cryomodules for ILC, Yasuchika Yamamoto, KEK, 20min	Nb <sub>3</sub> Sn Films for SRF Cavities: Genesis and RF Properties, Uttar Pudasaini, Jlab, 20min	
8:35		Review of Muon Spin Rotation Studies of SRF Materials, Robert E. Laxdal, TRIUMF, 15min	RF Performances of Nb <sub>3</sub> Sn Coatings on a Copper Substrate for Accelerating Cavities Applications, Marco Arzoo, CERN, 15min	Progress in SRF CH-Cavities for the HELIAC CW Linac at GSI, Maksym Miski-Oglu, GSI, 20min				
8:40					The FRIB SC-Linac - Installation and Phased Commissioning, Jie Wei, FRIB, 30min	ESS: SRF Systems, Overview and Status, Paolo Pierini, ESS, 20min	SRF Activities and Progress at IHEP, He Feisi, IHEP, 20min	
8:45	Investigation on 1, 3 and 9-Cell SRF Elliptical Cavities Made of Large Grain Niobium, Takeshi Dohmae, KEK, 20min							
8:50		Coffee 1 10:00-10:30						
8:55	Direct Correlation of State of the Art Cavity Performance With Surface Nb Nano-Hydrides Cutouts Observed via Cryogenic AFM, Zu-Hawn Sung, FNAL, 15min		Development of SC-QWR and Cryomodule for Low-Beta Ion Accelerator at RIKEN RIBF, Naruhiko Sakamoto, RIKEN, 20min	Nb <sub>3</sub> Sn at Fermilab: Exploring Performance, Sam Posen, FNAL, 20min	HF-Free Bi-Polar Electropolishing for Application on Multi-Cell Elliptical Cavities, Hui Tian, Jlab, 20min			
9:00		New Insight on RF Field Amplitude and Frequency Dependence of Vortex Surface Resistance, Mattia Checchin, FNAL, 15min				Identifying Specific Cryomodule and Cleanroom Particulate Contamination: Understanding Legacy Issues and Providing New Feedback Standards, Charles E. Reece, Jlab, 20min	Progress With Nb Hipims Films on 1.3 GHz Cu Cavities, Matthew Burton, Jlab, 15min	Electrodeposition of Copper Applied to the Manufacture of Seamless SRF Cavities, Guillaume Rosaz, CERN, 20min
9:05	Mapping Flux Trapping in SRF Cavities to Analyze the Impact of Geometry, Felix Kramer, HZB, 20min		Diagnosing Particular Operational Cavity Fault Causes Using Time Domain RF Waveforms, Tom Powers, Jlab, 20min	Nb/Cu Coatings Characterization in HiPIMS With Biased Substrate and Application of a Positive Pulse, Fabio Avino CERN, 15min	The Design of an Automated High-Pressure Rinsing System for SRF Cavity and the Outlook for Future Automated Cleanroom on Strings Assembly, Hao Guo, IMP, 15min			
9:10		Microscopic Investigation of Flux Trapping Sites in Bulk Nb, Martina Martinello, FNAL, 20min				Virtual SRF Cavity: Testing SRF Cavity Support Systems Without the Hassle of Liquid Helium and Klystrons, Pablo Echevarria, HZB, 15min	Effect of Inhomogeneous Disorder on the Superheating Field of SRF Cavities, Jim Sauls, NU, 20min	Development of High Intensity, High Brightness, CW SRF Gun With Bi-Alkali Photocathode, Taro Konomi, KEK, 15min
9:15	Effects of Static Magnetic Fields on a Low-frequency TEM Class Superconducting Cavity, Trista Man-Kwan Ng, ANL, 15min		Modular Digital Low Level Radio Frequency Control (LLRF) for CW Operation at ELBE, Michael Kuntzsch, HZDR, 15min	Employing SRF to Boost Coherence of 3D Quantum Systems, Alexander Romanenko, FNAL, 20min	Performance of 112 MHz SRF Gun at BNL, Tianmu Xin, BNL, 15min			
9:20		Measurement of Surface Resistance Properties with Coaxial Resonators - Review, HyeKyoung Park, Jlab/ODU, 20min				Active Suppression of Microphonics Detuning in High QL Cavities, Nilanjan Banerjee, Cornell, 15min	Hot Topic Session Maximizing Peak Surface Fields - Time Barrier vs. Surface Barrier	The Effect of Helium Processing and Plasma Cleaning for Low Beta HWR Cavity, Shichun Huang, IMP/CAS, 15min
9:25	CVD Coated Copper Substrate SRF Cavity Research at Cornell University, Mingqi Ge, Cornell, 15min		A Fast Reactive Tuner Based on Ferroelectrics for Superconducting Cavities, Nicholas Shipman, CERN, 15min	Plasma Processing of LCLS-II Cavities, Bianca Giaccone, IIT, 15min				
9:30		Key Note Talk			The Fundamental Power Coupler for CEPC Booster Cavity, Tong-Ming Huang, IHEP, 15min	Convenor: Hasan Padamse, Charles E. Reece	Systematic Studies of the Second Sound Method for Quench Detection of Superconducting Radio Frequency Cavities, Lea Steder, DESY, 15min	
9:35	Scientific Applications Using High Repetition Rate Hard X-Ray FELs, Thomas Tschentscher, EU-XFEL, 30min		Design Development for the 1.5 GHz Couplers for BESSY VSR, Emmy Sharples, HZB, 15min	60min				Closing Ceremony and Student Awards, Peter Michel (conference chair), 20min
9:40		Pros and Cons of Laser-Plasma Accelerators: Where Are the Limits, and Will LPA Compete With SRF, Andreas Maier, Uni Hamburg, 30min						
9:45	More than 15 Years of CW SRF Operation at ELBE, André Arnold, HZDR, 20min		Lunch 13:00-14:30	Outing + Dinner 16:00-23:00	ELBE Tour 13:00-17:00			
9:50		Poster 14:30-16:00				Poster 14:30-16:00	Poster 14:30-16:00	
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10:30	MESA: The Mainz Energy Recovering Superconducting Accelerator, Timo Stengler, IKP, 20min		Direct Correlation of State of the Art Cavity Performance With Surface Nb Nano-Hydrides Cutouts Observed via Cryogenic AFM, Zu-Hawn Sung, FNAL, 15min	Development of SC-QWR and Cryomodule for Low-Beta Ion Accelerator at RIKEN RIBF, Naruhiko Sakamoto, RIKEN, 20min	Nb <sub>3</sub> Sn at Fermilab: Exploring Performance, Sam Posen, FNAL, 20min			HF-Free Bi-Polar Electropolishing for Application on Multi-Cell Elliptical Cavities, Hui Tian, Jlab, 20min
10:35		SRF Status of the SHINE Project at Shanghai, HongTao Hou, SINAP, 20min				Mapping Flux Trapping in SRF Cavities to Analyze the Impact of Geometry, Felix Kramer, HZB, 20min	Diagnosing Particular Operational Cavity Fault Causes Using Time Domain RF Waveforms, Tom Powers, Jlab, 20min	
10:40	SRF Status of the RAON Heavy Ion Accelerator Project, Hoechun Jung, IBS, 20min		Microscopic Investigation of Flux Trapping Sites in Bulk Nb, Martina Martinello, FNAL, 20min	Virtual SRF Cavity: Testing SRF Cavity Support Systems Without the Hassle of Liquid Helium and Klystrons, Pablo Echevarria, HZB, 15min	Effect of Inhomogeneous Disorder on the Superheating Field of SRF Cavities, Jim Sauls, NU, 20min			Development of High Intensity, High Brightness, CW SRF Gun With Bi-Alkali Photocathode, Taro Konomi, KEK, 15min
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