SUNDAY, MAY 15		
Evening	6:30 - 9:30	Welcome Reception/Registration
		MONDAY, MAY 16
8:30-12:20	Opening Plenary	(Joint session, no parallel sessions)
8:30-10:20	Chair: S. Chattopadhyay, JLAB	 *- Introduction (Governor of TN, Phil Bredensen/N. Holtkamp/S. Chattopadhyay) *- Einstein, Nobel Prize and Accelerators (C. Jarlskog, Lund Univ) *- Personal Perspectives on the ITRP Recommendation and on the Next Steps toward the International Linear Collider (B. Barish, CalTech)
10:20-10:50		Coffee Break
10:40-12:20	Opening Plenary	- PEP-II and KEK-B Operational Status (J. Seeman, SLAC)
	Chair:	- RHIC Operational Status (T. Roser, BNL)
12.20 1.50	S. Chattopadhyay, JLAB	- FNAL Tevatron Operational Status (D. McGinnis, FNAL)
12:20-1:50	UEUAC, Uich Engager	Lunch Break
1:50-3:30	HEHAC: High Energy Hadron Accelerators and	- Advances in the Understanding and Operations of Super conducting Colliders (P. Bauer, FNAL)
	Colliders	- Performance Limitations in High-Energy Ion Colliders (W. Fischer, BNL)
	Chair:	CO: Testing of the LHC Magnets in Cryogenic Conditions: Operation Challenges,
	V. Shiltsev, FNAL	Status, and Outlook (Vinod Chohan, CERN)
		CO: Status of Slip Stacking at Fermilab Main Injector (Kiyomi Seiya, <i>FNAL</i>) CO: Protection Against Accidental Beam Losses at the LHC (<i>Jorg</i> Wenninger,
		CERN)
	SAI: Sources and	- An 8 GeV Supercondcting Injector Linac (B. Foster, FNAL)
	Injectors	- High Intensity High Charge State ECR Ion Sources (D. Leitner, LBNL)
	Chair: P Shaffield I ANI	CO: Two-Charge-State Injector Prototype for the RIA Project (Nikolai Vinogradov, ANL)
	R. Sheffield, LANL	CO: Progress on Test EBIS and the Design of an EBIS-Based RHIC Preinjector
		(James Alessi, BNL)
		CO: Recent Advances in the Performance and Understanding of the SNS Ion
	MBD: Multiparticle	Source (Robert Welton, ORNL/SNS) - Experimental Results from the Small Isochronous Ring (Eduard Pozdeyev,
	Beam Dynamics	JLAB)
	Chair:	- Benchmark of Space Charge Simulations and Comparison with Experimental
	K. Harkay, ANL	Results for High Intensity Low Energy Accelerators (S. Cousineau,
		ORNL/ASD)
		CO: Benchmarking of Simulation Codes based on the Montague Resonance in the CERN-PS (<i>Ingo</i> Hofmann, <i>GSI</i>)
		CO: Dynamics of a High Density Ion-Beam with Electron Cooling in HIMAC
		Synchrotron (Tomonori Uesugi, NIR)
		CO: Chromaticity and Impedence Effect on the Transverse Motion of Longitudinal Bunch Slices in the Tevatron (Vahid Ranjbar, Fermilab)
3:30-5:10	HEHAC: High Energy	- Theory and Reality of Beam-Beam Effects at Hadron Colliders (Y. Alexahin,
	Hadron Accelerators and	FNAL)
	Colliders <i>Chair:</i>	- Polarized Proton Collisions at RHIC (<i>M. Bai, BNL</i>) CO: On the Feasibility of a Tripler Upgrade for LHC (<i>Peter McIntyre, Texas A&M</i>)
	Chair: W. Barletta, LBNL	Univ.)
	···· = ·····, ==··=	CO: Global Decoupling on the RHIC Ramp (Y. Luo, BNL)
		CO: Studies of the Chromaticity, Tune, and Coupling Drift in the Tevatron

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SAI: Sources and	- Frontiers of RF Photoinjectors (Massimo Ferrario, INFN)
Injectors	- Future Directions in Electron Sources (J. Lewellen, ANL)
Chair:	CO: Temporal E-Beam Shaping in an S-Band Accelerator (Henrik Loos, SLAC)
J. Alessi, BNL	CO: Review of the Production Process of TTF and PITZ Photocathodes (Daniele Sertore, INFN/LASA)
	CO: Simulations of Electron Beams Pre-Modulated at the Photocathode (Jonathan Neumann, IREAP)
	CO: Axial Power Input in Photocathode Electron Guns (D. Janssen, FZR)
MBD: Multiparticle	- Simulations and Experiments of Beam-Beam Effects in e+e- Storage Rings (2
Beam Dynamics	Cai, SLAC)
Chair: S. Henderson, SNS	- Anisotropy-Driven Collective Instabilities in Intense Charged Particle Beam (E. Startsev, PPPL)
	CO: Dynamic Beam-Beam Effects Measured at KEKB (Takao Ieiri, KEK)
	CO: Experiments on LHC Long-Range Beam-Beam Compensation and Crossing Schemes at the CERN SPS in 2004 (<i>Tanaji Sen, FNAL</i>)
	CO: Longitudinal Dynamics in the University of Maryland Electron Ring (John Harris, Univ. of Maryland)

5:10–5:30 Evening Social

1:50-5:30

6:00–8:30 Chairs' Reception

		TUESDAY, MAY 17
8:30-10:10	MAG: Magnets	- Limits of Nb3Sn Magnets (S. Caspi, LBNL)
	Chair:	- U.S. Accelerator Contribution to the LHC (M. Lamm, FNAL)
	M. Harrison, BNL	- Survey of Superconducting Insertion Devices for Light Sources (N. Mezentsev, BINP)
		CO: Field Quality Study in High-Field Nb3Sn Accelerator Magnets (Vadim Kashikhin, Fermilab)
		CO: Field Quality Optimization of Superconducting Quadrupoles for the HCX
		Experiment (Peter Seidl, LBNL)
	LSAFEL: Light Sources	- VUV/Soft X-Ray FEL Projects on the Horizon (R. Bakker, Elettra)
	and Free Electron Lasers	- First Results from VUV FEL at DESY (B. Faatz, DESY)
	Chair:	- First Results from DUV-FEL Upgrade at BNL (X. Wang, BNL)
	M. Cornacchia, SLAC	CO: An Optimized Low-Charge Configuration of the Linac Coherent Light Source (<i>Paul Emma, SLAC</i>)
		CO: 4GLS and the Energy Recovery Linac Prototype Project at Daresbury
		Laboratory (Michael Poole, CCLRC/DL)
	INSTABFB : Instabilities and Feedback	- Overview of Impedance and Single-Beam Instability Mechanisms (E. Metral, CERN)
	Chair: E. Shaposhnikova,	- Beam Loading Compensation for Super B-Factories (D. Teytelman, SLAC) - Stochastic Cooling for Bunched Beams (M. Blaskiewicz, BNL)
	CERN	CO: Experimental Investigation of Beam Breakup in the Jefferson Laboratory 10
		kW FEL Upgrade (Chris Tennant, Jefferson Lab)
		CO: Coherent Synchrotron Radiation as a Diagnostic Tool for the LCLS Longitudinal Feedback System (Juhao Wu, SLAC)
		Coffee Break
10:40-12:20	MAG: Magnets <i>Chair:</i>	- Development of Superconducting Combined Function Magnets for the Proton Transport Line for the J-PARC Neutrino Experiments (T. Nakamoto, JParc,

	J. Strait, FNAL	KEK) SNS Interaction and Entraction Devices (D. Banavia, DVI)
		 SNS Injection and Extraction Devices (D. Raparia, BNL) CO: Progress and Status of SNS Magnet Measurements at ORNL (Ted Hunter, ORNL/SNS)
		CO: Recent Test Results of the Fast-Pulsed 4T-Dipole GSI001 (G. Moritz, GSI)
		CO: Serpentine Coil Topology for BNL Direct Wind Superconducting Magnets (Brett Parker, BNL)
	LSAFEL : Light Sources and Free Electron lasers	- First Year of SPEAR 3 Operation (<i>R. Hettel, SLAC</i>) - Femtoslicing in Storage Rings (<i>S. Khan, BESSY</i>)
	Chair: L. Rivkin, PSI	 New Storage Ring Light Sources on the Horizon (B. Podobedov, BNL) CO: Generation of Short X-Ray Pulses Using Crab Cavities at the Advanced Photor Source (K. Harkay, ANL)
		CO: Research and Development of Variable Polarization Superconducting Undulator at the NSLS (S. Chouhan, BNL/NSLS)
	INSTR : Instrumentation <i>Chair:</i>	- Techniques for Pump-Probe Synchronisation of Fsec Radiation Pulses (H. Schlarb, DESY)
	T. Shea, SNS	 Novel Tune Diagnostics for the Tevatron (C. Tan, FNAL) CO: Development of the Beam Diagnostics System for the J-PARC Rapid-Cycling Synchrotron (N. Hayashi, JAERI/J-PARC)
		CO: The Possibility of Noninvasive Micron High Energy Electron Beam Size Measurement Using Diffraction Radiation (G. Naumenko, Tomsk Polytechnic Univ.)
		CO: Observation of Frequency Locked Coherent Transition Radiation (R. Marsh, MIT/PSFC)
8:30-12:20	Posters	
:50-3:30	ADCON: Advanced Concepts <i>Chair:</i>	 Mono Energetic Beams from Laser Plasma Interactions (C. Geddes, LBNL) Review of Beam-Driven Plasma Wakefield Experiments at SLAC (M. Hogan, SLAC)
	C. Pellegrini, UCLA	 Optical Injection into Laser Wake Field Accelerators (J. Cary, CIPS) CO: First Demonstration of a Staged Optical Injection and Laser Wakefield Acceleration (Dmitri Kaganovich, NRL)
		CO: Left-Handed Metamaterials Studies and Their Application to Accelerator Physics (Sergey Antipov, ANL)
	LSAFEL : Light Sources and Free Electron Lasers	 Methods of attosecond x-ray pulse generation (A. Zholents, LBNL/AFR) Sub-Picosecond Pulse Source: Recent Results (J. Hastings, SLAC)
	Chair: L. Merminga, JLAB	 Progress in Large Scale Femtosecond Timing Distribution and RF- Synchronization (F. Kaertner, MIT) Overview of Energy Recovery Linacs (I. Bazarov, Cornell Univ.)
	INSTR : Instrumentation	- Visualizing Electron Beam Dynamics and Instabilities with Synchrotron
	Chair: R. Webber, FNAL	 Radiation at the Advance Photon Source (B. Yang, ANL) - Residual-Gas-Ionization Beam Profile Monitors in RHIC (R. Connolly, BNL) CO: Beam Measurements and Upgrade at BL 7.2, the Second Diagnostics Beamline of the Advanced Light Source (Tom Scarvie, LBNL)
		 CO: Tevatron Beam Position Monitor Upgrade (Stephen Wolbers, Fermilab) CO: Transverse Emittance Blow-Up Due to the Operation of Wire Scanners, Analytical Predictions and Measurements (Federico Roncarolo, CERN)

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3:30-5:10	ADCON: Advanced Concepts <i>Chair:</i> <i>W. Leemans, LBNL</i>	 High Energy Gain IFEL at Neptune/UCLA (P. Musumeci, UCLA) Proton Acceleration and High Energy Density Physics from Laser Foil Interactions (P. Norreys, Rutherford Appleton Lab) First Observation of Laser-Driven Particle Acceleration in a Semi-Infinite Vacuum Space (T. Plettner, Stanford) CO: Photonic Band Gap Accelerator Demonstration at Ku-Band (Evgenya Smirnova, MIT/PSFC) CO: Photonic Crystal Laser-Driven Accelerator Structures (Benjamin Cowan, SLAC) CO: Self Consistent Scheme for Obtaining Electron-Positron Collisions with Multi- TeV Energy (Alexander Mikhailichenko, Cornell Univ)
	DSEM/NPHEP : Development in the South, East and Mid- East/Nuclear Physics High Energy Physics <i>Chair:</i> <i>P. Schmor, TRIUMF</i>	 SC Cyclotron and RIB Facility in Kolkata (R. Bhandari, VECC) BEPCII, the Second Phase Construction of the Beijing Electron-Positron Collider (G. Pei, IHEP, Beijing) Cooler Storage Ring at China Institute of Modern Physics (J. Xia, IMP, Lanzhou) CO: RIB Facility at VECC Kolkata – A Status Report (Alok Chakrabarti, DAE/VECC)
	LC : Linear Collider <i>Chair:</i> <i>M. Tigner, Cornell Univ.</i>	 Experience with the TTF-2 (L. Lilje, DESY) Advances in Normal Conducting Accelerator Technology from the X-band Linear Collider Program (C. Adolphsen, SLAC) Results from DR and Instrumentation Test Facilities (J. Urakawa, KEK) CLIC Progress Towards Multi-TeV Linear Colliders (Hans Braun, CERN)
1:50-5:30	Posters	

5:10–5:30 Evening Social

Evening* Einstein Special Event: Science and Music: Jack Liebeck Violin Concert, accompanied by Piano and6:00–7:30commented by Brian Foster; Master of Ceremony: S. Chattopadhyay, JLAB, Knoxville Convention Center

		WEDNESDAY, MAY 18
8:30-10:10	LC: Linear Collider	- International Linear Collider (ILC) Design Organization and Plans (Maury
	Chair:	Tigner, Cornell Univ.)
	G. Dugan, Cornell Univ.	- Progress and Plans for R&D and the Conceptual Design of the ILC Main
		Linacs (Hitoshi Hayano, KEK)
		- Progress and Plans for R&D and the Conceptual Design of the ILC Injector
		Systems (Susanna Guiducci, INFN)
		- Progress and Plans for R&D and the Conceptual Design of the ILC Beam
		Delivery Systems (Andrei Seryi, SLAC)
		- Progress and Plans for R&D and the Conceptual Design of the ILC High
		Gradient Structures (Hasan Padamsee, Cornell Univ.)
	DSEM/LS:	- The Australian Synchrotron (A. Jackson, APS, Melbourne)
	Development in the	- Status of the Shanghai Synchrotron Radiation Facility (Z. Zhao, SINAP,
	South, East and Mid-	Shanghai)
	East/Light Source	- The Brazilian Light Source (P. Tavares, LNLS, Campinas)
	Chair: M. Poole,	CO: Applying Frequency Map Analysis on the Australian Synchrotron Storage
	Daresbury Lab	Ring (Yaw-Ren Eugene Tan, ASP)
	-	CO: The Status of Turkic Accelerator Complex Proposal (Saleh Sultansoy, Gazi
		University, Ankara)

	SPBDO: Single Particle Dynamics and Optics <i>Chair:</i> <i>V. Lebedev, FNAL</i>	 Aberration in Electron Microscopy (H. Rose, LBNL/ALS) Chromatically Corrected Imaging Systems for Charged-Particle Radiography (B. Blind LANL) Effects of Fringe Fields and Insertion Devices Revealed Through Experimental Frequency Map Analysis (P. Kuske, BESSY-II) CO: Tune Compensation and Lattice Tuning with Long FEL Wigglers in the Duke
		 Storage Ring (Y. K. Wu, DU/FEL) CO: Application of Independent Component Analysis for Beam Diagnosis (Xiaobiao Huang, IUCF)
		Coffee Break
10:40-12:20	LEAC : Lepton Accelerators and Colliders <i>Chair:</i> <i>A. Hutton, JLAB</i>	 Super-B Factories (H. Koiso, KEK) Lepton Collider Operation with Constant Currents (U. Wienands, SLAC) JLab 12 GeV Upgrade (A. Lung, JLAB) CO: Overview of Electron Ion Colliders (Richard Milner, MIT-Bates) CO: BEPCII Interaction Region Design and Construction Status (Yingzhi Wu, IHEP)
	DSEM/LS: Development in the South, East and Mid- East/Light Source Chair: H. Winick, SSRL, SLAC	 Report on Synchrotron Radiation Source INDUS-2 (V. Sahni, CAT, Indore (MiPi)) SESAME in Jordan (G. Vignola, SESAME, Amman) CANDLE Project Overview (V. Tsaknov, CANDLE, Yerevan) CO: Design, Development, Construction and Installation of a Ceramic Chamber for a Pulsed Kicker at the LNLS Storage Ring (Marcelo Ferreira, LNLS, Campinas) CO: Bunch Tracing System by Bunch by Bunch Measurement in HLS (Kai Zheng, USTC/NSRL)
	SPBDO: Single Particle Dynamics and Optics <i>Chair:</i> <i>A. Chao, SLAC</i>	 Design of Large Momentum Acceptance Transport Systems (D. Douglas, JLAB) Beam-based Nonlinear Optics Corrections in Colliders (F. Pilat, BNL) Measuring and Understanding the Momentum Aperture in a Storage Ring (C. Steier, LBNL) CO: Techniques for Measurement and Correction of the SNS Accumulator Ring Optics (Stuart Henderson, ORNL/SNS) CO: Measurement of Linear Lattice Functions in the ESRF Storage Ring Using Turn-by-Turn Data (Yannis Papaphilippou, ESRF)
8:30-12:20	Posters	
1:00-3:00	Awards Reception and Ceremony	 Wilson Prize Talk (Keith Symon, University of Wisconsin – Madison) Beam Physics Dissertation Talk (Eduard Pozdeyev, JLAB)
3:00-5:55	Special Session : Einstein and World Year of Physics Jointly sponsored by PAC/EPAC/APAC Chair: W. Madia, Battelle	 * - Introduction (Swapan Chattopadhyay, JLAB) * - Cosmic Acceleration (Michael Turner, NSF) * - Symmetries and Einstein (Makoto Kobayashi, KEK) * - Neutrinos and Einstein (Yoichiro Suzuki, Univ. of Tokyo) * - The Quest for Dark Matter (Carlo Rubbia, CERN)
Evening 6:00–9:00	Special Evening Event, "	Einstein in the City," World's Fair Park

		THURSDAY, MAY 19
8:30-10:10	LEAC: Lepton Accelerators and Colliders <i>Chair:</i> <i>K. Oide, KEK, Japan</i>	 DAFNE Operation and Plans for DAFNE 2 (<i>M. Zobov, INFN/LNF</i>) CESR-c: Performance of a Wiggler-Dominated Storage Ring (<i>S. Temnykh, Cornell Univ.</i>) CO: Proposal for an Experiment on Bunch Length Modulation in DAFNE (<i>Caterina Biscari, INFN/LNF</i>) CO: MICE: The International Muon Ionisation Cooling Experiment (<i>Malcolm Elli, Imperial College of Science and Technology</i>) CO: Recent Innovations in Muon Beam Cooling and Prospects for Muon Colliders (<i>Rolland Johnson, Muons, Inc</i>)
	PPHIB : Pulsed Power and High Intensity Beams <i>Chair:</i> <i>E. Hartouni, BNL</i>	 DARHT II Long-Pulse Beam Dynamics Experiments (C. Ekdahl, LANL) Advances of Transmission Line Kicker Magnets (L. Ducimetière, CERN) Highly Compressed Ion Beams for High Energy Density Science (A. Friedmar LLNL) CO: Ion Effects in the DARHT-II Downstream Transport (Kwok-Chi Dominic Chan, LANL) CO: Helical Pulseline Structures for Ion Acceleration (Richard Briggs, SAIC)
	RFSYS : Radiofrequency Systems <i>Chair:</i> <i>S. Tantawi, SLAC</i>	 Testing of the SNS Superconducting Cavities and Cryomodules (R. Campisi, ORNL/SNS) Overview of LLRF Systems (M. Liepe, Cornell Univ.) Superconducting RF for Low-Velocity and Intermediate-Velocity Beams (T. Grimm, NSCL) CO: High Gradient Performance of Prototype NLC/GLC X-Band Accelerator Structures (Steffen Doebert, SLAC) CO: Present Status of J-PARC Ring RF Systems (Masahito Yoshii, KEK)
		Coffee Break
10:40–12:20	ACTECH: Accelerator Technology Chair: M. Peinniger, ACCEL	 Recent Progress in Power Refrigeration Below 2 K for Superconducting Accelerators (S. Claudet, CERN) Digital Low-Level RF Controls for Future Superconducting Linear Colliders (S. Simrock, DESY) CO: Post-Irradiation Properties of Candidate Materials for High-Power Targets (Harold G. Kirk, BNL) CO: Design of a Precision Positioning System for the Undulators of the Linac Coherent Light Source (Emil Trakhtenberg, ANL) CO: Status of NEG Coating at ESRF (Michael Hahn, ESRF)
	PPHIB: Pulsed Power and High Intensity Beams <i>Chair:</i> <i>K. C. D. Chan, LANL</i>	 Pulsed Power Drivers and Diodes for X-ray Radiography (K. Thomas, AWE/UK) Pulsed Power Applications in High Intensity Proton Rings (W. Zhang, BNL) Solid-State Modulator for RF and Fast Kickers (E. Cook, LLNL) CO: NuMI Proton Kicker Extraction System (Chris C. Jensen, Fermilab) CO: Davidement of a Compact Padiagraphy Academicar Using Dialogetic Well
		CO: Development of a Compact Radiography Accelerator Using Dielectric Wall Accelerator Technology (<i>Stephen Sampayan, LLNL</i>)

8:30-12:20	Posters	
1:50-3:30	CONCOM : Controls and Computing <i>Chair:</i> <i>L. Hoff, LBNL</i>	 XAL Application Programming Structure (J. Galambos, ORNL/SNS) CLS: A Fully Open-source Control System (E. Matias, CLS) CO: Present Status of the J-PARC Control System (Tadahiko Katoh, KEK) CO: CEBAF Control Room Renovation (Michael Spata, Jefferson Lab) CO: High Level Control Applications for SOLEIL Commissioning and Operation (Laurent Nadolski, SOLEIL)
	TICP : Two Stream Instabilities and Collective Processes <i>Chair:</i> <i>G. Rumolo, GSI</i>	 Suppressing Electron Cloud in Future Linear Colliders (M. Pivi, SLAC) Experiments Studying Desorbed Gas and Electron Cloud in Ion Accelerators (A. Molvik, LLNL) Electron Cloud Dynamics in High-Intensity Rings (L. Wang, BNL) CO: Effect of Lattice and Electron Distribution in Electron-Cloud Instability Simulations for the CERN SPS and LHC (Elena Benedetto, CERN) CO: Recent Experiment Results on Fast Ion Instability at 2.5 GeV PLS (Eun-San Kim, PAL)
	LAMEAR : Low and Medium Energy Accelerators and Rings <i>Chair:</i> <i>M. Plum, ORNL</i>	 SNS Warm Linac Commissioning Results (A. Aleksandrov, ORNL/SNS) J-Parc Commissioning Results (K. Hasegawa, JAERI) RIKEN RI Beam Factory Project (Y. Yano, RIKEN/RARF/CC, Saitama) CO: Recent Intensity Increase in the CERN Accelerator Chain (Elena Shaposhnikova, CERN) CO: RIA Post Accelerator Design (Stan Schriber, NSCL)
3:30-5:10	CONCOM : Controls and Computing <i>Chair:</i> <i>M. Borland, ANL</i>	 Terascale Beam-Beam Simulations for Tevatron, RHIC and LHC (J. Qiang, LBNL) Vlasov Simulations of Beam and Halo (E. Sonnendrucker, IRMA, Strasbourg) The Grid (W-D. Klotz, ESRF) CO: Bridging Timescales for Simulating Electron Clouds (Ronald Cohen, LLNL) CO: Optimal Beam Orbit Generation Using Neural Network Algorithm (Yasunobu Hitaka, KEK)
	TICP : Two Stream Instabilities and Collective Processes <i>Chair:</i> <i>I. Hofmann, GSI</i>	 Filling in the Roadmap for Self-Consistent Electron Cloud and Gas Modeling (J. Vay, LBNL) 3-D Parallel Simulation Model of Continuous Beam-Electron Cloud Interactions (A. Ghalam, USC) Halo Mitigation Using Nonlinear Latices (K. Sonnad, SLAC) CO: Betatron sidebands due to electron clouds under colliding beam conditions (John Flanagan, KEK) CO: Self-Consistent Electron-Cloud Simulation for Long Proton Bunches (Andrei Shishlo, ORNL/SNS)
	LAMEAR : Low and Medium Energy Accelerators and Rings <i>Chair:</i> <i>R. Garnett, LANL</i>	 Commissioning of Fermilab's Electron Cooling System for 8-GeV Antiproton (S. Nagaitsev, FNAL) Status of Proton Engineering Frontier Project (PEFP) at KAERI (B. Choi, KAERI) Experimental Progress in Fast Cooling in the ESR (M. Steck, GSI) CO: First Acceleration with Superconducting RF Cavities at ISAC-II (Robert Laxdal, TRIUMF) CO: Testing, Installation, Commissioning and First Operation of the ISIS RFQ Pre Injector Upgrade (Alan Letchford, CCLRC/RAL/ISIS)

1:50-5:30	Posters	
5:10-5:30	Evening Social	
Evening 7:00–9:30	Conference Banquet	Terrace between Knoxville Convention Center and World's Fair Park
		FRIDAY, MAY 20
8:30–10:10	ACTECH: Accelerator Technology <i>Chair:</i> <i>P. Kelley, LANL</i>	 New Technology in Hydrogen Absorbers for Muon Cooling Channels (M. Cummings, FNAL) Technological Improvements in the DARHT II Accelerator Cells (B. Prichard SAIC/LANL) HOM Effects in Vacuum System with Short Bunches (S. Novokhatski, SLAC) CO: A Risk-Oriented Approach for Setting Priorities Among Beneficiaries of Consolidation Funding (Pierre Bonnal, CERN) CO: Mechanical Vibration Measurements on TTF Cryomodules (Angelo Bosotti, INFN/LASA)
	APAC: Application of Accelerators Chair: R. Sah, Siemens Medical Solutions, USA	 Compact Neutron Generators for Medical, Home Land Security and Planetary Exploration (J. Reijonen, LBNL) Advances in X-Band and S-Band Linear Accelerators for Medical, Security, NDT Applications (A. Mishin, AS&E) Recent Developments in Hadron Therapy Accelerators (H. Klein, ACCEL) CO: Construction of FFAG Accelerators in KURRI for ADS Study (Minoru Tanigak, KURRI) CO: Technology for Fissionable Materials Detection by Use of 100 MeV Variable Linac (Nikolay Kiryukhin, NSC/KIPT)
	SECBEAM : Secondary Beam Facilities: Neutrons, Muons and Neutrinos <i>Chair:</i> <i>C. Moore, FNAL</i>	 High Intensity Muon Beam Facilities with FFAG (Y. Kuno, Osaka Univ.) Status of Neutrino Factory (D. Li, LBNL) New Concepts in FFAG Design for Secondary Beam Facilities and Other Applications (M. Craddock, TRIUMF) CO: Status of the NuMI Neutrino Beam Facility at Fermilab (Sacha Kopp, The University of Texas at Austin) CO: Reliability and Availability Studies in the RIA Linac Driver (Eliane Lessner, ANL)
		Coffee Break
10:40-12:20	ACTECH: Accelerator Technology <i>Chair:</i> <i>W. Oren, JLAB</i>	 Remote Handling in High-Power Proton Facilities (G. Murdoch, ORNL/SNS) Cryomodule Design Concepts and Operating Experience (C. Rode, JLAB) Superconducting RF Development at Nuclear Science Centre (A. Roy, NSC- Albany) CO: SRF Performance of CEBAF after Thermal Cycle to Ambient Temperature (Robert Rimmer, Jefferson Lab) CO: Full Characterization at Low Temperature of Piezoelectric Actuators Used for SRF Cavities Active Tuning (Mohammed Fouaidy, IPN)
	APAC: Application of Accelerators <i>Chair:</i> <i>A. Todd, AES</i>	 Industrial Applications of High Average Power FELS (M. Shinn, JLAB) The Compact Light Source: A Miniature Synchrotron Light Source (R. Ruth Lyncean Technologies, Inc.) Muon Radiography (C. Morris, LANL) CO: Present Status of Photo-Cathode RF Gun System and Its Applications (Ryunosuke Kuroda, RISE) CO: The Frankfurt Funneling Experiment (N. Mueller, IAP)

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	EXTBEAM: Extreme	- Frozen Beams (H. Okamoto, HU/ADSM, Horoshima)
	Beams	- Ultra-High Density Electron Beams for Beam Radiation and Beam Plasma
	Chair:	Interaction (S. Anderson, LLNL)
	I. Ben-Zvi,BNL	- Laboratory Astrophysics Using High Energy Density Photon and Electron Beams (R. Bingham, CCLRC/RAL/ASTeC)
		CO: Laser Cooling of Relativistic Heavy Ion Beams (Ulrich Schramm, LMU)
		CO: Commissioning of the University of Maryland Electron Ring (UMER) (Santiago Bernal, IREAP)
8:30-12:20	Posters	
1:50-5:10	Closing Plenary Session	(Joint session, no parallel sessions)
1:50-3:30	Chair:	* - The Spallation Neutron Source: A Powerful Tool for Materials Research (T.
	N. Holtkamp, SNS	Mason, SNS)
		* - XFEL/Short Pulse Science (J. Schneider, DESY)
		* - Challenges and Progress in the FAIR Accelerator Project (P. Spiller, GSI)
3:30-5:10	Chair:	* - Opportunities and Challenges in Neutrino Physics (S. Wojcicki, SLAC)
	N. Holtkamp, SNS	* - Science of Rare Isotope Accelerator (RIA) and the Project Status
		(W. Nazarewicz, Univ. of Tennessee)
		- Chattopadhyay/Holtkamp: Closing Remarks
		SATURDAY, MAY 21
	SNS Tour	This motor coach tour will depart from the Knoxville Convention Center (KCC) at 9:00 a.m. on Saturday, May 21, and will return to the KCC after lunch. The tour will include an overview of the SNS project, including the specific components of the front end, klystron gallery, linear accelerator, accumulator ring, and target facility. Industrial vendors will be positioned near their equipment to provide additional information.

Lunch is included as part of the tour.