

NAPAC16 Schedule																
Time	Sunday, October 9, 2016	Monday, October 10, 2016			Tuesday, October 11, 2016			Wednesday, October 12, 2016			Thursday, October 13, 2016			Friday, October 14, 2016		Saturday, October 15, 2016
		Chicago VI	Chicago VII	Riverwalk	Chicago VI	Chicago VII	Riverwalk	Chicago VI	Chicago VII	Riverwalk	Chicago VI	Chicago VII	Riverwalk	Chicago VI	Chicago VII	
830		MOPL			TUA1	TUB1	Morning Poster Session	WEA1	WEB1	Morning Poster Session	THA1	THB1	Morning Poster Session	FRA1	FRB1	
845		Welcome			Status of FRIB <i>Eduard Pozdeyev (FRIB)</i>			Demonstration of Energy-Chirp Control in Relativistic Electron Bunches at LCLS Using a Corrugated Structure <i>Timothy Maxwell (SLAC)</i>			Progress in High Q SRF Cavities Development: From Single Cell to Cryomodule <i>Anna Grassellino (Fermilab)</i>			Single Particle Detection With a Schottky Resonator <i>Markus Steck (GSI)</i>		
900		(0845-0920) High Energy Physics as a Global Enterprise: Report from ICHEP XXVIII (Chicago, Aug. 2016) <i>Young-Ke Kim (University of Chicago)</i>			Status Report on the SPIRAL2 Facility at GANIL <i>Eric Pett (GANIL)</i>	Tutorial: A Discussion on Phase Space and Beam Emittance <i>Rui Li (JLab)</i>		Computation of Electromagnetic Fields Generated by Relativistic Beams in Complicated Structures <i>Igor Zagorodnov (DESY)</i>	Tutorial: Superconducting Accelerators Magnets <i>Soren Prestemon (LBNL)</i>		Results of the 2015 Helium Processing of CEBAF Cryomodules <i>Michael Drury (JLab)</i>	Tutorial: Risk Management of Complex Systems <i>John Thomas (MIT)</i>		State of the Art X-Ray Photon BPMs for Next Generation Storage Ring Light Sources <i>Bingxin Yang (ANL)</i>	Tutorial: RF Superconductivity <i>Jean Delaunay (ODU)</i>	
915																
930		(0920-0955) A Billion Times Brighter: An Overview of the Scientific Impact and Future Opportunities of X-Ray Free Electron Lasers <i>Michael Dunne (SLAC)</i>			Technological Challenges in the Path to 3.0 MW at the SNS Accelerator <i>Kevin Jones (ORNL)</i>		Simulations of Booster Injection Efficiency for the APS Upgrade <i>Joseph Calvey (ANL)</i>				MAX IV & Solaris 1.5 GeV Storage Rings Magnet Block Production Series Measurement Results <i>Martin Johansson (MAX IV Laboratory)</i>		An Ultra-High Resolution Pulsed-Wire Magnet Measurement System <i>Stephen Milton (CSU)</i>			
945								Hollow Electron Beam Collimation for HL-LHC - Effect on the Beam Core <i>Miriam Fiteer (Fermilab)</i>			Persistent Current Effect in 15-16 T Nb3Sn Accelerator Dipoles & Its Correction <i>Alexander Zlobin (Fermilab)</i>		6D Phase Space Measurement of Low Energy, High Intensity Hadron Beam <i>Brandon Cathey (ORNL RAD)</i>			
1000		(0955-1030) Nuclear Physics at the Electron Ion Collider Plenary <i>Rolf Ent (JLab)</i>			Simulation of Beam Dynamics in a Strong-focusing Cyclotron <i>Karie Badgley (Fermilab)</i>	Operating Synchrotron Light Sources with a High Gain Free Electron Laser <i>S. Di Mitri (Elettra-Sincrotrone Trieste)</i>		Microwave Instability Studies in NSLS-II <i>Alexei Biedrzycki (BNL)</i>	Investigation of Structure & Composition Development in the Two-Step Diffusion Coating of Nb3Sn on Niobium <i>U. Pudasaini (The College of Wm.&amp;Mary)</i>		Thermal Modeling & Cryogenic Design of a Helical Superconducting Undulator Cryostat <i>Yuko Shroyanagi (ANL)</i>	Lightweight Superconducting Magnet Technology for Medical Applications <i>Shiomo Caspi (LBNL)</i>		Progress of Gas-Filled Multi-RF-cavity Beam Profile Monitor for Intense Neutron Beam <i>Katsuya Yonehara (Fermilab)</i>	ADAM: LIGHT a Linear Accelerator for Proton Therapy <i>Alberto Degiovanni (ADAM)</i>	
1015					Design of a Compact Ring for Pulse Structure Manipulation of Heavy Ion Beams at the NSCL <i>Alfonse Pham (NSCL)</i>	ALS-U: A Soft X-Ray Diffraction Limited Light Source <i>Christoph Steier (LBNL)</i>		Analytical Theory for McMillan Map <i>Timofey Zolkin (Fermilab)</i>	Surface Impurity Content Optimization to Maximize Q-factors of Superconducting Resonators <i>Martina Martinello (Fermilab)</i>		Status of Development of Superconducting Undulators for Storage Rings & Free Electron Lasers at the APS <i>Yury Ivanushchenko (ANL)</i>		Measurement of Coherent Transition Radiation Using Interferometer and Photoconductive Antenna <i>Koichi Kan (ISIRI)</i>			
1030 - 1100		Morning Coffee			Morning Coffee			Morning Coffee			Morning Coffee			Morning Coffee		
1100		MOA2	MOB2		TUA2	TUB2		WEA2	WEB2		THA2	THB2		FRA2	FRB2	
1115		Towards Attosecond Synchronization in Ultrafast Light Sources <i>Russell Wilcox (LBNL)</i>	Beam Dynamics Issues in Very High Energy Circular p-p Colliders <i>Michael Syphers (NIJ)</i>		AWAKE - A Proton Driven Plasma Wakefield Acceleration Experiment at CERN <i>Allen Calkwell (MPI-P)</i>	Accelerator Physics Challenges in the Design of Multi Bend Achromat Based Storage Rings <i>Michael Borland (ANL)</i>		Calculating Spin Lifetime <i>Vahid Houston Ranjbar (BNL)</i>	Development of Higher Harmonic Superconducting Cavity for Light Sources <i>Michael Kelly (ANL)</i>		Specifics of Electron Dynamics in High Energy Circular e+e- Colliders <i>Qing Qin (IHEP)</i>	Applications of High-Power Accelerators to Cargo Inspection <i>Cody Wilson (Passport Systems Inc)</i>		Development and Application of on-Line Accelerator Optimization Algorithms <i>Xiaobiao Huang (SLAC)</i>	Application of Superconducting Technology for Proton Therapy <i>Vladimir Derenchuk (ProNova Solutions)</i>	
1130		The BNL/LBNL BPM Electronics, High Performance for Next Generation Storage Rings <i>Kurt Vetter (ORNL)</i>	Overview of Jefferson Lab EIC Design and R&D <i>Vasily Morozov (JLab)</i>		Staging Results at the Argonne DLA Facility <i>Manoel Conde (ANL)</i>	Advanced Concepts for Seeded FELs <i>Eugenio Ferrari (Elettra-Sincrotrone Trieste S.C.p.A.)</i>		Proposed Experimental Validation of Hamiltonian Perturbation Theory in IOTA <i>David Bruhwiler (RadiaSoft LLC)</i>	Compact Crabbing Cavity Systems for Particle Colliders <i>Subashini De Silva (ODU)</i>		High Gradient Permanent Magnet Technology for Ultra-High Brightness Rings <i>Gael Le Bec (ESRF)</i>	Production of Medical Isotopes With Electron Linacs <i>David Rotsch (ANL)</i>		High Precision RF Control for the LCLS-II <i>Gang Huang (LBNL)</i>	4 K Superconducting Linacs for Commercial Applications <i>Charles Boulware (Nowave, Inc.)</i>	
1145																
1200		Measurement of Tune Shift with Amplitude from BPM Data with a Single Kicker Pulse <i>Yoshiteru Hidaka (BNL)</i>	Collider in the Sea: A New Vision for a 700 TeV World Laboratory <i>Peter M. McIntyre (Texas A&amp;M Univ.)</i>		A Novel Technique of Power Control in Magnetrans <i>Grigory Kazakevich (Muons, Inc)</i>	Fokker-Planck Analysis of Transverse Collective Instabilities in Electron Storage Rings <i>Ryan Lindberg (ANL)</i>		Incoherent Vertical Emittance Growth from Electron Cloud at CesTA <i>Stephen Poprocki (Cornell University (CLASS))</i>	High Power Production Target for FRIB <i>Frederique Pellemeine (FRIB)</i>		S-Band 1.4 Cell Photoinjector Design for High Brightness Beam Generation <i>Eylene Pirez (UCIA)</i>	Fulfilling the Mission of Brookhaven ATF as a DOE's Flagship User Facility in Accelerator Stewardship <i>Igor Pogorelsky (BNL)</i>		Study of the Electrical Center of a Resonant Cavity Beam Position Monitor (RF-BPM) & Its Integration with the Main Beam Quadrupole for Alignment Purposes - <i>Silvia Zorzetti (CERN)</i>	GEM*STAR Accelerator-Driven Subcritical System for Improved Safety, Waste Management, and Plutonium Disposition <i>Mary Anne Clare Cummings (Muons, Inc)</i>	
1215		MICE Operation and Demonstration of Muon Ionization Cooling <i>Ao Liu (Fermilab)</i>	Multiphysics Analysis of Crab Cavities for High Luminosity LHC Upgrade <i>Oleksiy Kononenko (SLAC)</i>		Vacuum Breakdown Research at 110 GHz <i>Samuel Schaub (MIT)</i>	Corrugated Structure Insert to Extend SASE Bandwidth up to 3% at the European XFEL <i>Igor Zagorodnov (DESY)</i>		Vlasov Analysis of Microbunching Gain for Magnetized Beams <i>Cheng-Ying Tsai (Virginia Polytechnic Institute and State University)</i>	Nb3Sn SRF Coatings at Fermilab <i>Sam Posen (Fermilab)</i>		Beam Measurement of a Multifrequency Cavity of the Ultra-fast RF Kicker for ERL Circular Cooler Ring of JLEIC <i>Yulu Huang (IMPI/CAS)</i>		Status of The SRF cavities Resonance Control R&D work at FNAL <i>Yuriy Pischnikov (Fermilab)</i>			
1230 - 1400		Lunch			Lunch			Lunch			Lunch			Lunch		
1400		MOA3	MOB3	Afternoon Poster Session	TUA3	TUB3	Afternoon Poster Session	WEA3	WEB3	Afternoon Poster Session	THA3	THB3		FRPL		
1415		High energy Coulomb Scattered Electrons Detected in Air used as the Main Beam Overlap Diagnostics for Tuning the RHIC Electron Lenses <i>Peter Thieberger (BNL)</i>	Commissioning of the Phase-I SuperKEKB Factory and Update on the Overall Status <i>Yukiyo Ohnishi (KEK)</i>		Possible Road Maps for High-Energy Collider Based on Advanced Acceleration Techniques <i>Sergei Nagaitsev (Fermilab)</i>	Commissioning of Max-IV, the First Light Source Using a Multi Bend Achromat <i>Pedro Tavares (MAX IV Laboratory)</i>		Emittance Growth from Modulated Focusing in Bunched Beam Cooling <i>Michael Baskiewicz (BNL)</i>	Superconducting Cryomodule Development and Production for the FRIB Linac <i>Ting Xu (FRIB)</i>		FNAL Accelerator Complex Upgrade Possibilities <i>Ioanis Kourbanis (Fermilab)</i>	Development of a High Brightness Source for Fast Neutron Imaging <i>Brian Rusnak (LLNL)</i>		The Need for Compact Coherent Light Sources - an Example - X-Ray Phase Contrast Tomography Reveals the Secrets of Herculaneum Papyri <i>Vito Mocella (IMM)</i>		
1430		Precision Vector Control of a Superconducting RF Cavity driven by an Injection Locked Magnetron <i>Brian Chase (Fermilab)</i>	LHC Operation at 6.5 TeV : Status and Beam Physics Issues <i>Giulia Papotti (CERN)</i>		FACET Results and FACET II Perspective <i>Vitaly Yakimenko (SLAC)</i>	Overview of Electron Source Development for High Repetition Rate FEL Facilities <i>Fernando Sannibale (LBNL)</i>		Start-to-End Beam Dynamics Optimization of X-Ray FEL Light Source Accelerators <i>Ji Qiang (LBNL)</i>	First Test Results of the 150 mm Aperture IR Quadrupole Models for the High Luminosity LHC <i>Gorgio Ambrosio (Fermilab)</i>		The ESS Accelerator <i>John Weisend (ESS)</i>	Review of Potential Accelerator Systems for Energy and Environmental Applications <i>Stuart Henderson (ANL)</i>				
1445																
1500		The Bunch Shape Monitor Measurements at the LANSCE Linac <i>Ilija N. Draganic (LANL)</i>	RHIC Au-Au Operation at 100 GeV in Run16 <i>Xiaofeng Gu (BNL)</i>		Compact Ring-based X-ray Source with On-orbit and On-energy Laser-plasma Injection <i>Marlene Turner (CERN)</i>	Demonstration of Fresh Slice Self Seeding in a Hard X-ray Free Electron Laser <i>Claudio Emma (UCLA)</i>		Efficiency of Feedbacks for Suppression of Transverse Instabilities of Bunched Beams <i>Alexey Burov (Fermilab)</i>	650 MHz Elliptical Superconducting RF Cavities for PIP-II Project <i>Vikas Jain (Fermilab)</i>		Space Charge Compensation Using Electron Columns & Electron Lenses at IOTA <i>Chong Shik Park (Fermilab)</i>	Thermoacoustic Range Verification for Ion Therapy <i>Sarah Patch (UWM)</i>				
1515		Operational Experience with Fast Fiber-Optic Beam Loss Monitors for the APS Storage Ring SCUS <i>Jeffrey Dooling (ANL)</i>	High Luminosity 100 TeV Proton-Antiproton Collider <i>Sandra Oliveros (UMiss)</i>		Kinetic Limits to Average Power in Plasma Wakefield Accelerators <i>Stephen Webb (RadiaSoft LLC)</i>	A New Thermionic RF Electron Gun for Synchrotron Light Sources <i>Sergey V Kutsaev (RadiaBeam Systems)</i>		Impedance Characterization and Collective Effects in the MAX IV 3 GeV Ring <i>Francis Cullinan (SOLEIL)</i>	Preliminary Tests of Plasma Cleaning as an In-Situ Superconducting RF Cavity Cleaning Technique <i>Benjamin Barber (University of Chicago)</i>			Technology Development Toward High Duty Cycle Inverse Compton Scattering X-Ray Source <i>Alex Murokh (RadiaBeam Co.)</i>				
1530 - 1600		Afternoon Coffee			Afternoon Coffee			Afternoon Coffee			Afternoon Coffee			Afternoon Coffee		
1600		MOA4	MOB4		TUA4	TUB4		WEA4	WEB4		THPL - Award Session			Legend		
1615		Performance of the Low Charge State Laser Ion Source in BNL <i>Masahiro Okamura (BNL)</i>	High Field SC Magnet Program in the US & Worldwide: Goals, Challenges, Plans <i>Stephen Gourlay (LBNL)</i>		Staging Results at BELLA and Plans for BELLA (k-BELLA) <i>Sven Steinke (LBNL)</i>	Status of the MARIEProject <i>John Erickson (LANL)</i>		Dynamics of Beams With Canonical Angular Momentum in Non-Axisymmetric Optical Elements <i>Chun Yan Jonathan Wong (NSCL)</i>	Advanced High Gradient, High Efficiency RF Technology <i>Sami Tantawi (SLAC)</i>		What Life is Like as a Scientist in Congress <i>William Foster (United States Congress)</i>			1: Circular and Linear Colliders	7: Accelerator Technology Main Systems	
1630		Recent Progress in High Intensity Operation of the Fermilab Accelerator Complex <i>Mary Convery (Fermilab)</i>	Linac-ring and Ring-ring designs for the eRHIC Electron-Ion Collider <i>Vadim Pitsyn (BNL)</i>		Eupraxia: A Compact European Plasma Accelerator With Superior Beam Quality <i>Ulrich Dorda (DESY)</i>	Accelerator Physics Challenges, Technical Progress and Commissioning Results from the European XFEL <i>Riko Wichmann (DESY)</i>		Impact of Space Charge on Beam Dynamics and Integrability in the IOTA Ring <i>Christopher Hall (RadiaSoft LLC)</i>	CLIQ: a New Quench Protection Technology for Superconducting Accelerator Magnets <i>Emmanuel Ravaioi (LBNL)</i>					2: Photon Sources and Electron Accelerators	8: Applications of Accelerators, Tech Transfer, and Industrial Relations	
1645								Intrinsic Landau Damping for Bunched Beams in the Proximity of Transverse Coupling Resonance <i>Alexandru Macridin (Fermilab)</i>					3: Advanced Acceleration Techniques and Alternative Particle Sources	9: Opening, Closing, and Special Presentations		
1700		Complete Beam Dynamics of the JLEIC Ion Collider Ring Including Imperfections, Corrections, and Detector Solenoid Effects <i>Guohui Wei (JLab)</i>	Design of Muon Collider Lattices <i>Yuri Alexahin (Fermilab)</i>		Loading of Wakefields in a Plasma Accelerator Section Driven by a Self-Modulated Proton Beam <i>Veronica Olsen (University of Oslo)</i>	Optimization of Compton source Performance through Electron Beam Shaping <i>Alexander Malzhenkov (LANL)</i>		Suppression of Half-Integer Resonance in FNAL Booster and Space Charge Losses at Injection <i>Alexander Valishev (Fermilab)</i>	Phase Shift Calibration of CEBAF Linac Cavities <i>Adam Carpenter (JLab)</i>					4: Hadron Accelerators	Posters	
1715		Compact Carbon Ion Linac <i>Peter Ostrovov (ANL)</i>	Design of the Room-temperature Front-end for a Multi-ion Linac Injector <i>Alexander Plastun (ANL)</i>		High-Power Tunable THz Generation in Corrugated Plasma Waveguides <i>Chenlong Miao (UMD)</i>	Progress on the Magnetic Performance of Planar Superconducting Undulators <i>Matthew Kasa (ANL)</i>		Accelerator Physics Design and Challenges of RF Based Electron Cooler LEReC <i>Alexei Fedotov (BNL)</i>	100 kW Very Compact Pulsed Solid-State RF Amplifier, Development & Tests <i>Rafael Cisneros (TMD Technologies)</i>					5: Beam Dynamics and EM Fields	Posters Staffed	
1730					Women in Science and Engineering (WISE) Event (starting at 1900 - location TBA)			Teachers' Day (0815-1700)			Conference Banquet					