

AGENDA : 2019 NP Accelerator R&D PI Exchange Meeting, Thursday, November 7, 2019, Gaithersburg, MD

Time	Dur. (min)	Principal Inv.	Institution	R&D Area	Presentation Title	Speaker
8:30 AM	30		DOE NP		NP supported Accelerator R&D and EIC	Farkhondeh
9:00 AM	25	Bazarov, Ivan	Cornell Univ.	Electron Sources	High current electron sources for strong hadron cooling and polarized sources for EIC	Cultrera/ Bazarov
9:25 AM	35	Luo, Yun Qiang, Ji Hao, Yue Roblin, Yves	BNL LBNL MSU TJNAF	Simulation Tools	Development and test of simulation tools for EIC beam-beam interaction	Luo/Qiang/ Hao/Roblin
10:00 AM	25	Erdelyi, Bela	NIU	Simulation Tools	Studies of Conventional and ERL-Based Re-circulator Electron Cooling for an Electron Ion Collider	Marzouk
10:25 AM	25	Break				
10:50 AM	30	Morozov, Vasilii Huang, Haixin	TJNAF BNL	Spin Dynamics	Theoretical and experimental study of spin transparency mode in an EIC	Morozov/ Huang
11:20 AM	30	Delayen, Jean Wu, Qiong Krafft, Geoffrey	ODU/TJNAF BNL TJNAF	Crab Cavities	Crab Cavity Operation in a Hadron Ring	Wu/Krafft
11:50 AM	30	Conway, Zachary Rimmer, Bob	ANL/BNL TJNAF	Feedback system	High Bandwidth Beam Feedback Systems for a High Luminosity EIC	Rimmer/ Conway
12:20 PM	65	Lunch Break				
1:25 PM	30	Nagaitsev, Sergei	FNAL	Beam Cooling	Ring-based high-energy electron cooler	Nagaitsev
1:55 PM	35	Willeke, Ferdinand Zholents, Alexander Stupakov, Gennady Zhang, Yuhong	BNL ANL SLAC TJNAF	Beam Cooling	Strong hadron cooling with micro-bunched electron beams	Wang/ Willeke
2:30 PM	35	Benson, Stephen Krafft, Geoffrey Piot, Philippe Blaskiewicz, Michael	TJNAF ODU FNAL BNL	Beam Cooling	Development of innovative high-energy magnetized electron cooling for an EIC	Benson
3:05 PM	25	Break				
3:30 PM	35	Michalski, Timothy Sabbi, GianLuca Sullivan, Michael	TJNAF LBNL SLAC	IR Magnets	Validation of EIC IR Magnet Parameters and Requirements Using Existing Magnet Results	Michalski/ Sabbi/ Sullivan
4:05 PM	35	Anerella, Mike Sabbi, GianLuca Michalski, Timothy	BNL LBNL TJNAF	IR Magnets	High Gradient Actively Shielded Quadrupole	Anerella/ Sabbi/ Michalski
4:40 PM	35	Raparia, Deepak Milner, Richard	BNL MIT	Polarized He-3 target/polarimeter	Development of an absolute polarimeter and spin-rotator for a polarized He-3 ion source at RHIC and polarimetry for high energy He-3 beams	Raparia
5:15 PM	25	Litvinenko, Vladimir	BNL	Beam Cooling	An update on the the Coherent Electron Cooling (CeC) PoP experiment at RHIC	Litvinenko
5:40 PM	10	Closing Remarks				
5:50 PM		Adjourn				