

2018 Accelerator R&D PI Meeting
Tuesday, November 13, 2018

Time	Dur. (min)	Proposal ID	Institution	R&D Area	Presentation Title	Speaker
8:30 AM	30		DOE NP		NP supported Accelerator R&D and EIC	Manouchehr Farkhondeh
9:00 AM	25	232006	Cornell	Polarized e Source	Next Generation Robust Pol. Photocathodes for EIC	Ivan Bazarov/Luca Cultrera
9:25 AM	25	FY17 Add Collab. BNL	MIT/subc	Polarized e Source	High Current, High Charge Polarized Electron Sources	Robert Redwine/Evgeni Tsentelovich
9:50 AM	25	FY17 Additional	BNL	Polarized e Source	Complete Procurement of Components for Inverted Gun	John Skaritka
10:15 AM	25	FY17 Base	BNL	Polarized e Source	Gatling Gun, Laser System and Design of New Inverted Gun	John Skaritka
10:40 AM	25	Break				
11:05 AM	30	FY17 Additional BNL	BNL	Polarized 3He Source	Development of a Polarized 3He Ion Source for RHIC	Anatoli Zelenski
11:35 AM	25	FY17 Base	TJNAF	Beam Cooling	Magnetized Electron Source	Riad Suleiman
12:00 PM	25	FY17 R&D	TJNAF	Beam Cooling	Electron Cooling Simulation Development	Yves Roblin
12:25 PM	60	Lunch Break				
1:25 PM	35	FY17 Base	BNL	Beam Cooling	Coherent Electron Cooling PoP Experiment	Vladimir Litvinenko
2:00 PM	30	FY17 Base	TJNAF	Beam Cooling	Electron Cooler Design	Steve Benson
2:30 PM	25	FY17 Base	TJNAF	Beam Cooling	Bunched Beam Electron Cooling Experiment	Yuhong Zhang
2:55 PM	25	232015	NIU	Beam Cooling	Studies of Conventional and ERL-Based Re-circulator Electron Cooling for an Electron Ion Collider	Bela Erdelyi/Herman Schaumburg
3:20 PM	25	Break				
3:45 PM	25	FY17 Add Collab. BN	FNAL	Spin Dynamics	Study of Electron Spin Polarization in the EIC	Eliana Gianfelice-Wendt
4:10 PM	25	FY17 Additional BNL	BNL	Spin Dynamics	Study of Electron Spin Polarization in the EIC	Vahid Ranjbar
4:35 PM	25	FY17 Base	TJNAF	Spin Dynamics	Spin Tracking in Ion and Electron Rings	Vasiliy Morozov
5:00 PM		Adjourn				

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Time	Dur. (min)	Proposal ID	Institution	R&D Area	Presentation Title	Speaker
8:30 AM	25	FY17 R&D	TJNAF	Magnet R&D	IR FFQ Prototype Definition	Tim Michalski
8:55 AM	25	FY17 Additional BNL	BNL	Magnet R&D	Design and Prototyping of SC EIC – IR Magnets	Peter Wanderer
9:20 AM	25	FY17 Base	TJNAF	Magnet R&D	Interaction Region (IR) Magnet Design Verification	Tim Michalski
9:45 AM	25	FY17 R&D	TAMU/Subc	Magnet R&D	Complete and Test a Full Scale Suitable Superferric Magnet	Peter McIntyre/Tim Michalski
10:10 AM	25	FY17 R&D	TJNAF	Beam Dynamics	Crab Crossing Design and Simulations	Vasily Morozov
10:35 AM	25	113	ANL	Beam Dynamics	Beam Simulation and Benchmarking	Brahim Mustapha
11:00 AM	20	Break				
11:20 AM	25	FY17 Base	BNL	Beam Dynamics	Beam-Beam Effects, Collective Effects Study, Dynamic Aperture	Mike Blaskiewicz
11:45 AM	25	FY17 Base	BNL	Beam Dynamics	eRHIC Electron Storage Ring Concept Development	Christoph Montag
12:10 PM	25	FY17 Base	TJNAF	Beam Dynamics	Beam-Beam Dynamics with Gear Changing	Yves Roblin
12:35 PM	25	FY17 R&D	TJNAF	SRF R&D	Fast Feedback System and Kicker Design	Robert Rimmer
1:00 PM	60	Lunch Break				
2:00 PM	20	FY17 R&D	TJNAF	SRF R&D	Test of CEBAF Electron Injection Mode	Jiquan Guo
2:20 PM	25	111	ANL	SRF R&D	ANL Plan for EIC R&D: HOM damping	Michael Kelly
2:45 PM	25	FY17 Base	BNL	SRF R&D	Design of State of the Art RF Systems for eRHIC	Kevin Smith
3:10 PM	25	FY17 Base	TJNAF	SRF R&D	Development of SRF Systems for an Electron-Ion Collider	Robert Rimmer
3:35 PM		Adjourn				