

4th Electron-Ion Collider Workshop
May 19-23, 2008
Hampton University, Hampton, VA

Monday, May 19, 2008

Student Center Ballroom B & C

08:30 - 09:00 Registration
Plenary Session I
09:00 - 09:05 Welcome to Virginia
09:05 - 09:50 Physics Requirements for EIC
09:50 - 10:35 Status of ELIC Design
10:35 - 11:00 Coffee Break
11:00 - 11:45 Status of eRHIC Design
11:45 - 12:30 Status of LHeC Design
12:30 - 14:00 Lunch Break
14:00 - 15:45 **Parallel Session I: Source and Optics Design**
15:45 - 16:15 Coffee Break
16:15 - 18:00 **Parallel Session II: IP Design and Beam-Beam**

Chair: Andrew Hutton (JLab)
Andrew Hutton (JLab)
Thomas Ullrich (BNL)
Geoff Krafft (JLab)

Vadim Ptitsyn (BNL)
Ferdinand Willeke (BNL)

Tuesday, May 20, 2008

Student Center Ballroom B & C

Plenary Session II
09:00 - 09:45 Review of High-Energy Hadron Cooling
09:45 - 10:05 Coherent Electron Cooling
10:05 - 10:25 Optical Stochastic Cooling
10:25 - 11:00 Coffee Break
11:00 - 11:30 Experience with Crab Cavities
11:30 - 12:00 Polarized Proton Operation at RHIC
12:00 - 12:30 Electron and Ion Precision Polarimetry
12:30 - 14:00 Lunch Break
14:00 - 15:45 **Parallel Session III: Others**
15:45 - 16:15 Coffee Break
Plenary Session III
16:15 - 16:50 Polarization in Electron Rings
16:50 - 17:25 High-Current Polarized Source Developments
17:25 - 18:25 Discussion Session on Staged eRHIC with 2-3 GeV Electrons
 Introduction (10 minutes)
 Staged eRHIC Option (20 minutes)
18:30 - 20:30 Workshop Reception - Hampton Museum

Chair: Thomas Roser (BNL)
Slava Derbenev (JLab)
Vladimir Litvinenko (BNL)
Fuhua Wang (MIT)

Mika Masuzawa (KEK)
Mei Bai (BNL)
Wolfgang Lorenzon (Michigan)

Chair: Lia Merminga (JLab)
Des Barber (DESY)
Evgeni Tsentalovich (MIT)

Abhay Deshpande (SBU)
Vladimir Litvinenko (BNL)