

4th Electron-Ion Collider Workshop

May 19-23, 2008

Parallel Session - Accelerator

Monday, May 19, 2008

Student Center Ballroom B & C

Source and Optics Design

- 14:00 - 14:20 CEBAF Load-lock Polarized Electron Photogun
- 14:20 - 14:40 Optics Design of Recirculation Passes
- 14:40 - 15:00 Optics for ELIC Figure-8 Collider Rings and IRs
- 15:00 - 15:20 eRHIC Main Linac Design
- 15:20 - 15:40 FFAG Design for Recirculation Passes

Chair: Geoff Krafft (JLab)

- J. Grames (JLab)
- V. Ptitsyn (BNL)
- A. Bogacz (JLab)
- E. Pozdeyev (BNL)
- D. Trbojevic (BNL)

15:45 - 16:15 **Coffee Break**

IP Design and Beam-Beam

- 16:15 - 16:35 eRHIC Interaction Region Design Status
- 16:35 - 16:55 ELIC Low Beta Optics with Chromatic Corrections
- 16:55 - 17:15 Design of Lambertson-Type Final Focusing Magnets
for Crab Crossing
- 17:15 - 17:35 Studies of eRHIC Beam-Beam Effects
- 17:35 - 17:55 ELIC Beam-Beam Studies

Chair: Vladimir Litvinenko (BNL)

- C. Montag (BNL)
- H. Sayed (JLab/ODU)
- P. Brindza (JLab)
- V. Ptitsyn (BNL)
- Y. Zhang (JLab)

Tuesday, May 20, 2008

Student Center Ballroom B & C

Others

- 14:00 - 14:20 Novel Features in eRHIC
- 14:20 - 14:40 ELIC Ion Beam Life Time
- 14:40 - 15:00 Electron Polarization in ELIC Figure-8 Ring
- 15:00 - 15:20 BNL R&D ERL and Coherent Electron Cooling
test at RHIC
- 15:20 - 15:40 Ultra-Fast Kicker for Circulated Electron Cooler

Chair: Des Barber (DESY)

- V. Litvinenko (BNL)
- C. Tengsirtvattana (JLab/UVa)
- P. Chevtsov (JLab)
- D. Kayran (BNL)
- J. Musson (JLab)