

APEX workshop 2011

Date/time: 9am Dec. 8 – 5:30pm Dec. 9

Venue: Hamilton Seminar room in Chemistry building

Organizer:

- AEAC: M. Bai, I. Ben-Zvi , M. Blaskiewicz , A. Fedotov , W. Fischer, H. Huang, M. Minty V. Litvinenko, D. Lowenstein , P. Pile, T. Roser
- Run coordinator: Y. Luo, V. Schoefer

Agenda

Opening session: Dec 8 9am – 10am

Session chair: Lowenstein

- Welcome: Thomas 5 min
- RHIC performance and motivation: Wolfram 20+5 min
- Instrumentation Update for RUN 12: Gassner 15+5
- APEX status/plan/policy: Bai 5+5 min

Beam Instrumentation: Dec. 8 10:30am – 12:00pm

Session chair: Blaskiewicz

- Weighted algorithm for GOFB : C. Liu 15+5
- pEDM High Precision BPM-plans and impact on RHIC: Y. Semertzidis 10+5
- UFO measurement/observation: R. Michnoff 10+5
- IPM calibration status and plan for run12: Roger 15+5
- Request for upgrading injector instrumentation: Huang 15+5

Studies regarding machine optics: Dec. 8 1:30pm—3:00pm

Session chair: Minty

- Local coupling correction: A. Marusic 15+5 min
- Global coupling and vertical dispersion correction, C. Liu 10+5 min
- ORM for RHIC: T. Summers 15+5 min
- Beam-based alignment: J. B. Wang 15+5

Studies regarding machine optics: Dec. 8 3:30pm—5:00pm

Session chair: Minty

- Ring Transfer and coupling matrix at IP: Tepikian 10+5
- Off-momentum beta-beat measurement and correction: Y. Luo 10+5
- Beta squeeze with large arc beta wave: X. Gu 15+5

- Dynamic Beta Squeeze status and plan: G. Robert-Demolaize 10+5 min
- Beta beat correction SBST status and plan: Bai 10+5

Beam studies at other facilities: Dec. 9 9:00am—10:50am

Session chair: Fischer

- Beam Studies at the LHC: the Achromatic Telescopic Squeezing (ATS) scheme S. Fartoukh 20+5
- Beam Studies at BEPCII, towards higher luminosity: Qin Qing 20+5
- Tevatron optics correction experience: Alex Valishev 15+5
- Beam Studies at JLab: T. Satogata 15+5
- Modeling of beta-beating and non-linear chromaticity of the LHC & Beam-beam code comparison: F. Schmidt 15+5

Studies with Polarized proton session: Dec. 9 11:10am--12:30pm

Session chair: Roser

- Booster to AGS injection match: V. Schoefer 10+5
- Investigation of RHIC pp transverse emittance growth: SY Zhang 10+5
- High intensity proton beam in RHIC related studies: C. Montag 15+5
- Crossing angle measurements and its effect on beam-beam interactions: S. White 10+5
- Effect of 10 Hz noise on lifetime and beam-beam interactions: S. White 10+5

Studies with Polarized proton session: Dec. 9 1:30pm – 2:35pm

Session chair: Roser

- ELens related beam dynamics studies: C. Montag 15+5
- Polarization loss crossing 411-nu resonance in RHIC : V. Ranjbar 10+5
- Impact of orbit harmonic correction on polarization; V. Ranjbar 10+5
- Explore RHIC new workpoint for pp: near-integer: M. Bai 10+5

Studies with Polarized proton session: Dec. 9 3:00pm – 4:00pm

Session chair: Roser

- RHIC/AGS P-Carbon CNI polarimeters Plans for RUN 12: H. Huang 35+5 min
- Development of He3 polarimetry: Y. Makdisi 15+5

Studies with ions session: Dec. 9 4:15pm—5:45pm

Session chair: Bai

- Investigate the chromaticity dependence on bunch intensity: V. Ranjbar 15+5
- EBIS commissioning plan and polarized He-3 source development: J. Alessi 20+5

- Helium 3 injector development: F. Meot 10+5
- APEX studies for eRHIC: V. Ptitsyn 10+5
- CeC PoP study status and plan: G. Wang 10+5

Closeout