

Proposal for the 2011 RHIC/AGS Users Meeting

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UEC Meeting
01/14/11

Choosing the week

- **In December meeting, two weeks considered - only one viable possibility**
- **June 20-24, 2011**
 - As far as possible from QM2011 (May 23-28)
 - RHIC Run 11 started 1/3/11, will run for ~26 weeks - so the meeting will happen just as the run is about to end
- **No conflicts with JLab or FNAL users meetings**

Choosing the theme

- **Last month, the theme under discussion was “Review of the recent Spin and QM Meetings”**
- **I was thinking we could do something more ambitious**
 - “This one goes to eleven: RHIC science in the high luminosity era”
 - Keep the meeting short as possible, e.g. 4 days max including workshops
- **Steve Vigdor then contacted me and Susan, requesting to combine a strategic discussion on RHIC and eRHIC with the Users’ Meeting**
 - My inclination now is to restructure the whole week around this combined meeting

Workshop on Future Strategy for RHIC

(zeroth order idea of organization, 01/01/11)

Session I: Long-Term Options and Near-Term Plans

S. Vigdor: Purpose and scope of workshop; long-term strategy options and constraints
W. Fischer: Ongoing RHIC machine upgrades and performance projections
PHENIX speaker: Ongoing upgrades + science strategy (HI and spin) for coming ~5 years
STAR speaker: Ongoing upgrades + science strategy (HI and spin) for coming ~5 years

Session II: The Role of Heavy Ion Collisions at RHIC Beyond ~2017

B. Cole or similar: Early results and future prospects for LHC heavy-ion program
Theorist 1: Compelling open and quantifiably addressable questions that require next generation of RHIC
Theorist 2: A complementary take on same issue addressed by theorist 1
B. Jacak: Experimentalist's view of the science case for RHIC HI beyond 2017

Session III: Decadal Plans

J. Nagle: PHENIX heavy-ion science goals and upgrade strategies beyond 2015
C. Gagliardi: STAR heavy-ion science goals and upgrade strategies beyond 2015
2nd PHENIX speaker: PHENIX spin program goals and upgrades beyond 2015, including possible migration toward eRHIC capabilities
E. Sichtermann?: STAR spin program goals and upgrades beyond 2015, including possible migration toward eRHIC capabilities
D. Beck?: PAC feedback on PHENIX and STAR decadal plans

Session IV: eRHIC

R. Venugopalan: Why is an Electron-Ion Collider needed?
T. Ullrich: EIC eA science program, including 1st stage goals
A. Deshpande: EIC spin science program, including 1st stage goals
V. Litvinenko: eRHIC design and R&D
E. Aschenauer: eRHIC detectors: ideal vs. eSTAR and ePHENIX possibilities

Session V: Developing a RHIC Strategy to Present at Next Long Range Plan

T. Roser: possibilities for maintaining AA and pp capabilities in parallel with eRHIC
Panel and Community Discussion: Moderator – S. Vigdor; Panel members: D. Kharzeev; B. Zajc; R. Milner; T. Roser; Z. Xu or P. Steinberg
■ Each panel member starts with ~5-10 minute statement of personal views on best strategy and critical questions/branch points
■ Follow with ~2 hours for open discussion with audience: audience questions, comments, statements of preference, opinions about next steps in formulating strategy

Strawman schedule

Monday	Tuesday	Wednesday	Thursday	Friday
Long term options, Near term plans	Decadal Plans	Workshops	Management Perspectives Experiments & Theory, Thesis awards	Panel on RHIC LRP
Heavy Ions beyond 2017	eRHIC	Workshops	Future of RHIC, LHC results, Agency Perspectives	Summary & next steps

Does splitting off panel discussions until end make sense?



The 2011 RHIC Users Meeting:
The RHIC/eRHIC Long Range Plan

Name of Users' Group

- **One sensitive question...**
 - Do we have any AGS people who still participate anymore?
- **Should we add “eRHIC” to the name of the users’ group to emphasize this, or is “RHIC” enough?**
 - Or should we stick with RHIC/AGS?

Rooms & Workshops

- **Kelly acted fast!**
 - We have all the major rooms for that week
 - This includes Berkner Hall
- **I would prefer to keep most of the meeting in one place**
 - My preference remains Berkner Hall
 - Do we want to preserve the tradition of keeping Friday in Physics?
- **We should keep the parallel workshops close**
 - e.g. Hamilton & Berkner

Workshop Organizing

- **I have asked Wei Xie to be workshop organizer**
- **Need to decide exactly how many sessions we want**
 - e.g. 1 day of spin in parallel with 1 day of HI (e.g. QM results)
 - Can only imagine 2-3 sessions running concurrently
- **In any case, need to get session organizers on board ASAP**
 - Speakers need to be in place by March/April for a meeting in June!