

# eRHIC Bi-Weekly Status Report

August 21, 2017

## Recent Developments:

- Discussions continue on the maturation of an eRHIC organization, which will help to ensure successful delivery of the pre-CDR, preparation for a DOE CD-0, and the subsequent work towards CD-1.
- BNL staff are working with others to respond as questions arise from the National Academy Reviewers. The next meeting of the National Academy Reviewers of the EIC will occur on September 11-12 in Woods Hole, MA. We have been informed that an official presence of Laboratory representatives will not be necessary, as the panel does not expect to have questions about site-specific or design-specific issues.
- The EIC Energy Assessment Paper is now a BNL Formal Report (BNL-114111-2017) and it has been put up on the preprint server: See <https://arxiv.org/abs/1708.01527>
- eRHIC Pre-Conceptual Design work is progressing. Status on progress by individual contributors is reviewed each week to ensure the work stays on schedule.
- The C-AD Staff Planning efforts are on track toward the delivery of a first C-AD staff requirements report by the end of September, 2017. This effort is underway to provide C-AD group leaders and managers with tools to help them to plan and prioritize work.
- A teleconference is set up with JLab for this week to discuss the plans for the EIC Accelerator Collaboration Meeting, which will be held at BNL on October 10-12, 2017. The agenda, although not yet finalized, will likely include time for discussions and tours of CeC, LEReC and the Superconducting Magnet Division.
- The NPP Directorate is planning for a second strategic planning retreat on September 8, 2017. This retreat will be the first follow-up to the initial planning retreat that focused on an assessment of the current state of programs within the Directorate. This second retreat will explore future challenges within the Directorate, including our highest priority - the RHIC to eRHIC transition.
- The next Bi-Weekly eRHIC Coffee Break will be on Thursday, August 24 in the Physics Lounge (Building 510). Please join us at 3:30 p.m. and encourage others interested in eRHIC to attend.

## Issues:

- The President's Budget Request (PBR) for FY2018 creates many uncertainties with significant implications on future plans and priorities. Encouraging recent developments are that the House budget mark for the DOE Office of Science proposes a budget that is flat with FY2017 appropriations and the Senate budget mark even advocates for a 3.0% increase.
- Additional strategies for CBETA cost/risk treatment are being finalized and will be confirmed at the next BNL/Cornell Project Oversight Board.
- An eRHIC pre-conceptual design organization and a management approach for matrix personnel needs to be finalized, approved, and communicated to relevant parties.
- Strategies will need to be developed for enlarging support for an EIC both within NP and within the broader science community.
- The ability of the NPP Directorate to successfully manage and complete the sPHENIX project is important to demonstrating to the DOE Nuclear Physics Program that we can successfully complete mid- to large-size construction projects. We need to support a successful sPHENIX CD-1 DOE Review in FY2018.

Major Near Term Milestones:

- National Academy of Sciences Study 2017
- National Academy Panel Report Spring 2018
- eRHIC Pre-Conceptual Design Report March 2018
- eRHIC Pre-Conceptual Design Review April 2018
- Ready for CD-0 Mission Need decision of EIC June 2018
- Anticipated CD-0 (Mission Need Determination) Late 2018

Calendar:

- eRHIC Bi-Weekly Coffee Break – 3:30 p.m. in the Physics Lounge August 24, 2017
- eRHIC Program Steering Group Meeting (1/2 day) August 25, 2017
- National Academy Review of EIC (meeting 3) September 11-12, 2017
- Full day eRHIC Program Steering Group Meeting September 25, 2017
- EIC Accelerator Collaboration Meeting (at BNL) week of October 9, 2017

eRHIC SharePoint Site:

- Copies of these Bi-Weekly Reports and other information about eRHIC are located on the eRHIC SharePoint site <https://brookhavenlab.sharepoint.com/sites/eRHIC/SitePages/Home.aspx> . If you have trouble accessing this site, please contact Alyssa Petrone at [apetrone@bnl.gov](mailto:apetrone@bnl.gov) or x7735.