



Department of Energy

Washington, DC 20585

June 21, 2012

Dr. Thomas Ludlam
Building 510F
Brookhaven National Laboratory
Upton, NY 11973-5000

Dear Dr. Ludlam:

The Office of Nuclear Physics Facilities and Project Management Division is organizing a review of the present and future performance of both the Pioneering High Energy Nuclear Interaction eXperiment (PHENIX) Si Vertex Detector (VTX) and Forward Vertex (FVTX) Detector instruments at the Relativistic Heavy Ion Collider (RHIC) at the Brookhaven National Laboratory (BNL). As you are aware, this review will take place at BNL on July 16, 2012. A list of the review panel members and anticipated Department of Energy (DOE) participants is enclosed.

The purpose of this review is to assess the status of the PHENIX VTX and FVTX instruments and their plans to achieve optimal performance. The following main topics will be considered at this review:

- The present status of the hardware and software of both instruments, and their technical and physics performance;
- The plans for the upcoming shutdown work in terms of improving performance; and
- The plans for reaching optimal technical performance in order to achieve the physics goals.

The review will be chaired by Dr. Helmut Marsiske, Program Manager for Nuclear Physics Instrumentation for the Office of Nuclear Physics. Dr. Marsiske can be contacted at 301-903-0028, or E-mail: Helmut.Marsiske@science.doe.gov. The review will consist of presentations by the project team and executive sessions. Preliminary findings, comments, and recommendations will be presented at the close-out, which is expected to end around 5:30 p.m. The panel members have been instructed to contact Ms. Mariette Faulkner at BNL at 631-344-4064, or E-mail: faulkner@bnl.gov regarding any logistics questions. You should distribute relevant background materials to the panel prior to the review, and make available word processing, secretarial assistance, and internet connection during the review.

I greatly appreciate your efforts in preparing for this review. It is an important part of the process that allows our Office to understand the status of the PHENIX VTX



and FVTX instruments and their path forward to achieve full scientific productivity. I look forward to a very informative and stimulating review.

Sincerely,



Jehanne Gillo
Director
Facilities and Project Management Division
Office of Nuclear Physics

Enclosure

cc: Edward O'Brien, BNL
Steven Vigdor, BNL

Review Panel List
PHENIX Si VTX/FVTX
Detector Performance Review
July 16, 2012

Review Panel

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DOE Participants

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