

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

Dear Dr. Ludlam:

Enclosed are two documents, the Department of Energy (DOE) Report on the Technical, Cost, Schedule and Management Review of the Solenoidal Tracker At RHIC (STAR) Heavy Flavor Tracker (HFT) project, held on November 12-13, 2009 at Brookhaven National Laboratory (BNL), and a document with excerpts from the individual reviewer reports. The project team and STAR collaboration members as well as the Laboratory are thanked for their efforts in preparing for this review, and for already responding to some of the DOE recommendations generated during the review.

The findings of the review indicate that there continues to be a need to further elucidate the science that the HFT enables, and how the physics requirements drive the detailed technical specifications for the instrument. This work, together with formulating an appropriate set of high-level Critical Decision-4 (CD-4) requirements, needs to be completed prior to baselining the project.

Additional effort will be required to understand the budget and schedule of the project. Lastly, the level of skilled project management effort does not appear to be adequate to ensure a successful project implementation.

You are asked to respond in writing to the still outstanding recommendations detailed in the enclosed DOE Report.

Sincerely,

ORINGINAL SIGNED BY

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

Enclosures

cc: Nand Narain, BNL Site Office  
James Symons, LBNL