



Department of Energy

Washington, DC 20585

Dr. Steven M. Kahn
Director of Particle and Particle Astrophysics
Stanford Linear Accelerator Center
2575 Sand Hill Road
Menlo Park, California 94025

Dear Dr. Kahn:

The SLAC National Accelerator Laboratory's (SLAC) plans for its B-Factory Decommissioning & Disassembly (D&D) were first reviewed on August 6-7, 2007 at SLAC. A review report, based on the expert reviewers' analyses of your D&D plans, was subsequently issued by the Office of High Energy Physics (OHEP) on December 17, 2007. This report provided guidance to you for both the D&D of BaBar and the PEP-II accelerator.

Your staff responded with more detailed planning of both D&D projects which addressed the concerns of the original review panel. The early stages of the D&D activities are now underway. Because of these developments and the recent interest other labs have expressed in the components of both BaBar and PEP-II, it is now appropriate to review the state of the B-Factory D&D and your plans going forward.

We would like you to prepare for an external review before a panel of experts on March 23-24, 2009, at SLAC. The review will be organized and chaired by Dr. John Kogut of OHEP.

We ask that the review address the following major areas:

- The present state of both BaBar D&D and PEP-II minimum maintenance and D&D. You should discuss the feasibility and completeness of your proposed budget and schedule for all the activities. Your cost and schedule profiles should include contingencies;
- The status of the necessary workforce and equipment to carry out the plans;
- An inventory of the components of BaBar and PEP-II, complete with each component's characterization (radioactivity etc.);
- The impact on the lab's plan if some components are transferred to other laboratories, such as Fermi National Accelerator Laboratory (FNAL), Thomas Jefferson National Accelerator Facility (JLAB), or the host laboratory for INFN's Super B project.
- The environmental, safety and health (ES&H) planning issues that are needed for the D&D, including special consideration for FNAL, JLAB and INFN participation in some of the processes;



Since FNAL has requested a considerable number of components from PEP-II, we would encourage you to have a presentation by a member of that lab at this review. In addition, please arrange to have a qualified INFN observer in attendance.

As we have done in past DOE program reviews, our external reviewers will provide immediate feedback to the Laboratory at a closeout session, but we will also request from them confidential statements in writing that will be used in our evaluation of your plans. A review report will be written based on the reviewers' reports, this office's perspective on the D&D projects as well as our national priorities.

Please develop a detailed agenda for the review in consultation with Dr. Kogut. In addition, please provide background material to the review committee in advance and set up a web site where the presentations can be viewed. Please provide support for the logistics (conference rooms, travel, lodging etc) involved in the review.

We look forward to this important and timely event.

Sincerely,



Dennis Kovar
Associate Director of Science
for High Energy Physics

Enclosure

cc: P. Dehmer, SC-1

P. Drell, SLAC

P. Golan, SSO