

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 institutional review of the high energy physics research program of the Stanford Linear Accelerator Center (SLAC) by the Office of High Energy Physics (OHEP) of the Department of Energy (DOE) is scheduled for July 7-9, 2008. As I have discussed with you at an earlier date, the OHEP is in the process of being reorganized and one consequence of this change is that onsite lab reviews will not be annual events in the future. Instead, we anticipate that large, institutional reviews of the multipurpose labs with significant HEP support will occur on a rotating basis. The focus of each of these reviews will be a better understanding of the role of each lab's program relative to the overall national HEP program and an assessment of its performance and planning.

During this particular review, we would like to hear a discussion by SLAC laboratory management of the overall balance and priorities of the lab's research program as well as a presentation and discussion of the ongoing reorganization of the lab's divisions.

We ask that you address SLAC's efforts in the following major areas of research:

- B-Factory physics program, emphasizing run 7, and the plans to analyze the data accumulated over its life time;
- B-Factory shutdown and plans for the disassembly of BaBar and the minimum maintenance state of PEP-II;
- Participation in the LHC research program, both in the accelerator and the ATLAS experiment;
- Other ongoing experimental physics programs, including GLAST, EXO-200, etc.
- Theoretical particle physics and the KIPAC theoretical and observational programs in astrophysics, and cosmology, and the impact of these programs on the lab's experimental program;
- Advanced accelerator R&D facilities, including FACET and the NLTCA; and ongoing R&D including high gradient research and the ILC ;
- Research and development efforts to support the above programs and proposed efforts in EXO, LSST, SNAP, etc.

The FACET proposal was recently reviewed by the OHEP. Please make its report available to the reviewers in advance of July 7.

For each of the major areas of the lab's proposed research program, the consultants will be asked to comment upon:

- Scientific significance and technical merit of the area
- Quality and impact of recent research in this area
- Competence and future promise for carrying out the proposed plan
- Adequacy of the allocated resources and cost-effectiveness of the investment
- Feasibility for carrying out the proposed plans
- Comparison with research at other laboratories

We will ask our consultants to provide overall evaluations of: (i) the quality of the support and infrastructure provided by the laboratory; (ii) the goals for the research program over the next three years, (iii) and the long-term research plan for the laboratory.

As we have done in past DOE program reviews, we will invite our consultants to provide immediate feedback to the Laboratory, but we will also request from them confidential statements in writing that will be used in our evaluation of your program.

John Kogut will chair the review and serve as our contact on all aspects of the review. A tentative list of members of the review committee is enclosed for your information. In a recent survey of our consultants, all have expressed the need and appreciation for receiving any material available from the Laboratory prior to the review. We trust that you will try to comply with this request as much as possible, and at the very least by posting presentations from this past year's review.

We look forward to this important event.

Sincerely,

Dennis Kovar
Acting Associate Director
for Office of High Energy Physics

Enclosure

cc: R. Orbach, SC-1

P. Drell, SLAC

P. Golan, SSO