



Department of Energy
Office of Science
Washington, DC 20585
September 19, 2007

Dr. Piermaria Oddone
Director
Fermi National Accelerator Laboratory
P.O. Box 500
Batavia, Illinois 60510

Dear Dr. Oddone:

The annual review of the research program of the Fermi National Accelerator Laboratory (Fermilab) by the Department of Energy (DOE) is scheduled for September 24-27, 2007. This serves as the DOE's primary peer review of the laboratory's research program, with the goals being to evaluate the quality of the research performed by the laboratory as a user facility as well as by the laboratory staff. The review should also assess the balance of the current research portfolio, and the laboratory's plan for its future.

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

- Collider physics, including CMS, CDF, and D-Zero;
- Neutrino physics with MiniBoone, MINOS, and NOvA;
- Experimental astroparticle physics, including SDSS, CDMS, Auger, and the Dark Energy Survey;
- Theoretical particle physics and astrophysics, including cosmology;
- Accelerator R&D with an emphasis on topics other than LARP and ILC;
- Research and development efforts to support the above programs and any new initiatives that the Laboratory is pursuing.

The Office of High Energy Physics has conducted dedicated reviews of Tevatron Operations, LHC Accelerator Research Program, ILC/America's Regional Team, and Superconducting RF Infrastructure already this year. The reports from these reviews will be provided to the reviewers. Therefore I ask that you plan to feature the other areas of accelerator R&D most prominently during the review. The topics above will need to be discussed to provide context but there is no need to cover them in depth.

For each of the major areas of the research program, the reviewers will be asked to comment upon:

- Scientific and technical merit and importance of the area;
- Quality and impact of the recent research;
- Adequacy of the allocated resources;
- Feasibility for carrying out the proposed plans;
- Comparison with other research groups engaged in similar activities.



We will ask our reviewers to provide evaluations of: (i) the research activities of laboratory during this past year including the research activities of the laboratory staff, (ii) goals for the research program in the next year, (iii) and the long-term research plan for the laboratory. We also expect a discussion by Laboratory Management of the overall balance and priorities of the research program.

As we have done in past DOE program reviews, we will invite our reviewers 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.

Michael Procario 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 reviewers, all have expressed appreciation for receiving any material available from the Laboratory prior to the review. We hope you will be able to honor this request as much as possible, and post presentation from this past year's review.

We look forward to this upcoming review.

Sincerely,



Robin Staffin
Associate Director
Office of High Energy Physics

Enclosure

cc: Joanna Livengood, FSO

Fermilab Annual Program Review List of Reviewers

Peter Fisher, MIT

Michel LeFebrve, University of Victoria, Canada

Rik Yoshida, Argonne National Lab

David Sinclair, Carleton University, Canada

Michael Perkin, SLAC

Marc Kamionkoswki, Caltech

Jean Delayen, Thomas Jefferson National Accelerator Facility

Ron Ruth, SLAC

Stephen Porter, NASA