



March 29, 2007

Professor Jim Brau  
Department of Physics  
University of Oregon  
Eugene OR 97403-1274

Prof. Mark Oreglia  
Department of Physics  
5640 S. Ellis Ave  
Chicago, IL 60637

Dear Jim, Mark:

The first review of the US R&D program for detector R&D for the International Linear Collider (ILC) by the Department of Energy and the National Science Foundation will be held June 19 – 20, 2007 at Argonne National Lab. The program operates under the auspices of the American Linear Collider Physics Group (ALCPG), with significant input from the Linear Collider Steering Group of the Americas (LCSGA) and the international Worldwide Study (WWS). The review will serve as DOE and NSF's primary peer review of the US portion of the ILC detector activities. Our goal is to evaluate the achievements and future planning of the US ILC detector R&D program, and to gain some perspective on how these plans fit within the world activities.

We ask that the review addresses the ongoing effort, including specifically:

- Organization and oversight of the program;
- The past R&D program accomplishments through the LCDRD programs;
- The proposed activities during FY2007 and beyond, with a plan that outlines the goals, priorities, milestones and resource needs for the next several years.

The R&D planning discussion should address the prioritization of the program within the approximate strawman budget guidance range.

The review should address the detector R&D program and its coordination at the laboratories and universities. We ask also that the activities in the US be evaluated in the context of the global activities being coordinated by the WWS. While the major emphasis will be on the generic detector R&D, we will appreciate some discussion of how the ALCPG envisions the evolution from generic to specific detector implementations, and the role of the US community in developing these concepts.

We will ask the consultants to provide feedback to ALCPG during the closeout of the review, and will request their confidential statements that will serve as the basis for written evaluation of the program by the DOE and NSF.

Paul Grannis will chair the review and serve as the primary contact for the review. Marvin Goldberg will be the primary NSF liaison, and with Grannis, will prepare the final program evaluation.

We ask that talks and supporting materials be made available through a web site prior to the review to aid the preparation by our consultants.

We look forward to this review and hope that, in addition to providing the basis for the DOE and NSF evaluation, it will prove useful for ALCPG in charting its course for the next several years.

Sincerely,

Robin Staffin  
Associate Director  
DOE Office of High Energy Physics

Joseph Dehmer  
Director  
NSF Division of Physics