

FY2009

## University ILC Detector R&D

### Proposal Guide

December 16, 2008

This guide below provides information on preparing the LoI proposals for university ILC detector R&D in FY09. The deadline for submitting proposals to DOE and NSF is **February 18, 2009**. The funded period is expected to be approximately September 1, 2009-August 31, 2010. While funding is uncertain, if it becomes available the total for all proposals could range from \$300k to \$2M. This range should be taken into consideration when preparing the project descriptions, and the LoI proposals.

#### **General Instructions**

Proposal project descriptions should be no more than 15 pages; this is the NSF limit. The upper page limit will be rigorously enforced. The font must be at least 10 point. There can be no more than 15 characters per inch on average, no more than 6 lines per inch, and margins must be at least 1 inch on all sides. Refer to the NSF Grants Proposal Guide ([http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=gpg](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg)) for further format guidance.

#### **Proposal Overview**

Provide a general description of the LoI detector. Describe the overall R&D efforts world-wide, and in US laboratories, for the detector presented by the LoI, explaining how the R&D proposed here relates and is coordinated with other efforts.

#### **Prioritization**

Present the proposed, prioritized R&D plan, based on the R&D project descriptions submitted by R&D teams in January, at a few funding levels.

#### **Proposal Leadership**

The proposal must identify two Principal Investigators (PIs), one from the university community and one from the laboratories. The PIs will be responsible for monitoring progress on the projects, reporting to the agencies at least every six months on progress, and interacting with the agencies on related matters.

#### **FY2009 Proposal Activities and Deliverables**

Give a specific description of activities, milestones and deliverable items planned for FY2009.

**Budget and Budget Justification**

Itemize the budget, providing a written justification for the items in the budget.

Provide, as an addendum to your budget justifications, a breakdown of expenses that are charged as fringe and indirect cost.

**Activities and Deliverables Beyond FY2009**

Give description of activities foreseen in a second and third year, FY2010, FY2011.

**Broader Impact**

In addition to communicating the scientific merit of the proposal, describe its broader impact. The NSF takes this very seriously in reviewing proposals. Specifically, the NSF proposal guidelines state that you should address one or more of the following: how the project will integrate research and education by advancing discovery and understanding while at the same time promoting teaching, training, and learning; ways in which the proposed activity will broaden the participation of underrepresented groups (e.g., gender, ethnicity, disability, geographic, etc.); how the project will enhance the infrastructure for research and/or education, such as facilities, instrumentation, networks, and partnerships; how the results of the project will be disseminated broadly to enhance scientific and technological understanding; and potential benefits of the proposed activity to society at large. Examples illustrating activities likely to demonstrate broader impacts are available electronically on the NSF Website. If the projects could benefit future HEP experiments other than the linear collider, this too should be mentioned.