

Department of Energy Linear Collider R&D at Universities

Michael Procaro

June 29, 2002

Outline

- Introduction
- Federal Budget Cycle
- Current Situation
- Proposal Process

Response to the Field

- Delighted by the grassroots organizing efforts.
- Our immediate response is limited by the realities of the federal budget cycle.
- We can interact with the field.
 - Use the SC/WG/Consortia.

Federal Budget Cycle

- Fiscal Year 2003 begins October 1, 2002.
- DHEP began preparing the FY 2003 budget request in February 2001.
 - This was before Snowmass, before the subpanel.
- Submitted our request to DOE management in May 2001.
 - Still no Snowmass or subpanel.

- OMB gets the budget request in September 2001.
 - Snowmass is done but still no subpanel.
 - No changes from DHEP once OMB gets it.
- President's budget is submitted to Congress in February 2002.
 - Subpanel has reported, but too late to have any effect on the President's budget.
- Today, Congress has still not acted on the DOE Office of Science request.

FY 2003 Funding

- No “new” money is available for LC R&D in FY 2003.
- President’s budget request is \$725 million up from \$713 million in FY 2002.
 - Does not even cover inflation.
 - LHC profile calls for \$11 million more in FY 2003.

- We have things we are already committed to do:
 - Run II of the Tevatron,
 - BaBar,
 - LHC.
- We need to find ways to start our new work without hurting those priorities.
- An appropriation below the President's request could put even this in jeopardy.

Budget Cap on LC R&D

- OMB has imposed a cap on LC R&D of \$19.2 million.
 - SLAC and Fermilab got \$19.2 M in FY 02
 - President's budget in FY 03 is the same.
- Our interpretation is that it applies only to accelerator R&D,
- But we will accept a university accelerator R&D proposal.
 - Try to get cap raised or removed, so we can fund it.

FY 2004 Funding

- Cannot discuss it.
 - It is under active consideration at DOE.
- LC Project must receive endorsement of Director of the Office of Science.
 - Ray Orbach became Director on Mar 24, 2002.
 - Briefed by subpanel chairs, HEPAP chair and SC on LC.
 - Orbach featured LC, SNAP, Lattice QCD at DPF.

Redirection in FY 2003

- LC R&D in FY 2003 will be done instead of something else that we are already doing.
 - Very few projects ending this year.
- DHEP will make some of the decisions of what money moves to LC R&D.
- PI's will make some decisions about what effort moves to LC R&D.

Proposal Process

- We will work with the Steering Committee.
 - “Consortia” will collect proposals and assemble them into either 1 or 2 big proposals.
 - May need to split detectors from accelerators.
- Independent panel(s) will review proposals.
 - Recommend a coherent plan.
 - Remove duplications.
 - Set priorities.

- Each PI will submit a supplement or include proposed work on a regular annual request.
- DOE program managers will use recommendations of the panel.
 - DOE program managers make final decisions.
 - Required by DOE regulations
- Will investigate how to fund groups, without a DOE grant.

- Lab collaboration is welcome, but not funded through this procedure.
 - Description of lab collaboration will help the reviewers evaluate the strength of the effort.
 - Labs will make their own funding decisions for any related work.
- No formal proposal deadline, but getting the review done in the fall would help.
 - Will consult with the steering committee on a date.