



SiD Workshop

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View from DC



- Overview expect a continuing resolution for at least ~6 mo. Office funding will be at the \$689M level during this time (the amount before the supplement last summer). At this time we are looking at funding levels the same as last year with no new funding initiatives.
- We are cautiously optimistic that we will get the president's budget later which would allow us to establish a Detector R&D solicitation later this year. At the president's budget level, this could provide up to \$1M for generic detector R&D suitable for future colliders. Currently there is no money for this work at Universities.
- There is currently some laboratory support for generic detector system R&D at SLAC and Fermilab along with residual efforts at other labs but there is currently no additional funding for generic detector R&D at universities.
- I don't anticipate being able to fund detector collaborations to design detector systems for future lepton colliders unless or until we get a favorable federal budget.



P5 Report



Recommendation

"The panel recommends for the near future a broad accelerator R&D program for lepton colliders that includes continued R&D on ILC at roughly the proposed FY2009 level in support of the international effort. This will allow a significant role for the US in the ILC wherever it is built. The panel also recommends R&D for alternative accelerator technologies, to permit an informed choice when the lepton collider energy is established."

"The panel also recommends an R&D program for detector technologies to support a major US role in preparing for physics at a lepton collider."



Current Policy



The Office of High Energy Physics at DOE's current policy regarding the Linear Collider is:

- To support ILC accelerator R&D at a level which also allows the office to maintain strong programs at Fermilab and SLAC. The current level of planned ILC accelerator support for FY09 is \$29.5M.
- To support, in a minimal funding scenario, some generic Detector R&D at the national laboratories which might be useful for a linear collider.
 In a better funding scenario, I anticipate a solicitation for support for generic Detector R&D at Universities which also might be useful for a linear collider. We would coordinate with NSF to the extent possible.
- More broadly, provide continuing support for the University research program and the research program at other national laboratories with a HEP program, provide support for LHC, for dark matter and dark energy research (JDEM), and to support a neutrino program.



Current Policy (cont.)



- In the long term, the view at DOE is that ILC accelerator technology must be determined first and that major funding for detailed ILC detectors is not needed until
 - the machine technology is determined, and
 - a decision has been reached to proceed with the construction of the accelerator.
- Until then we will support generic detector research which could be applicable to a lepton collider at a level consistent with available funding and other program priorities.