

# ALCPG Tracking Meeting

FOCUS ON SIMULATION

November 6, 2002

10:00 AM Pacific Standard Time

## Next ALCPG Meeting

Next meeting:

January 9-11, Arlington, Texas

Format of parallel session not completely worked out yet

Expect three 1 1/2 hour parallel sessions; should have time for longer presentations from each group, and relaxed discussion

Should have better idea of funding situation at that point

## Linear Collider R&D Initiative

Proposals submitted to DOE, NSF on October 24

- \$500 K for detector R&D from DOE
- NSF support expected to be similar, but less certain
- DOE will accept Steering Group review, commensurate with existing knowledge of existing groups
- NSF procedure less clear

Overall timeline not definite in either case. Steering group is currently trying to find out more (stay tuned).

## Longer-term Timelines

TESLA schedule suggests three-year time frame for exploration of tracking options.

This has driven 3-year horizon for North American program

- DOE submissions  $\Rightarrow$  Three-year outlook
- NSF submissions  $\Rightarrow$  Explicit three-year proposal

Of course, funding will be year-by-year

On paper, though, will need to make decisions about preferred technologies on this time scale ([Detector Design Manual?](#))

## Test Beams

Test beams will be essential for the latter part of this 3-year process

CERN looking unlikely, particularly for US groups

SLAC beginning to consider possibility of major test-beam facility

FNAL? CESR? JLAB?

### Action Item:

We need to develop projection of our test-beam needs.

Hardware groups should begin to prepare for discussion at Arlington

## Human Resources for Simulation

### 1/2 Post-doc Positions

Michigan, physics modelling ⇒ Existing and filled

Santa Cruz, axial-only tracker/physics ⇒ Existing and vacant (filled Jan 2003?)

Wayne State, silicon drift ⇒ Applied for (NSF)

Oklahoma, forward tracking ⇒ Applied for (DOE)

South Carolina, axial-only tracker ⇒ Applied for (DOE)

Indiana, intermediate tracking ⇒ Existing (filled?)

Plus, miscellaneous contributions from students and senior physicists

⇒ This work will need to be coordinated