

Agenda - December 3, 1999

- Background
- Charge - Mike Witherell and Mike Shaevite
- What to deliver?
- How to proceed?
- What to study ?
- Your comments
- Machines + Detectors - Stanislaw Tkaczyk
- Simulation Tools - Adam Parao
- Further discussion

Background

- Worldwide Study of Physics and Detectors for e^+e^- Linear Colliders
C. Baltay, S. Komamiya, D. Miller

American
Study

ECFA/DESY
Study

ACFA
Study

- LCWS '99 May, Sitges, Spain
Juste, Raja, Yeh
- LCWS 2000
October 20-28 at Fermilab



SLAC : NLC, X-band, warm

KEK : JLC, X- and C-band, warm

DESY : TESLA, low ν , SC rf
S-band (abandoned)



<http://ppd.fnal.gov/conferences/nlc/>

Deliverables

- Coordinated set of simulations
 focus on physics issues
- Presence and talks at Berkeley
 March 29-31 meeting of American study
- Report to Laboratory
 September 18
- Talks on completed studies at LCWS 2000

How to proceed?

- Full group meets every 3 weeks
12/15, 1/12, 2/2 1:30 pm
 - elaboration of charge
 - simulation tools
 - X-band vs TESLA
 - "journal club" reports on Worldwide Studies
 - progress reports on simulations
- Subgroups meet more often
 - informal ?
 - official ?

What to study?

- the subject is vast
- Where are your interests?
 - tell us today, next few days
- Tempting to wander randomly
 - we cannot afford to do this
 - good ideas beyond our charge have a home in the American Study
- Focus on the charge
 - develop framework for fulfilling it
 - " " " for employing lots of part-timers

Higgs

- Precision measurements of production and decay

BRs distinguish SM from MSSM
even when A , H^\pm , H^0 too massive

Beyond SM

- Example: "LHC mSUGRA Point n"
 - one thorough comparison is more valuable than many partial ones
 - agree on a point, bring it to a conclusion