

ECFA activities

- ECFA - Meetings this year:
 - ♦ Innsbruck 26/27. March
 - ♦ Frascati 21./22. May
 - ♦ DESY 8./9. July
 - ♦ Bratislava 1./2. Oct.
 - ♦ CERN 25./26. Nov.
- CARE and BENE (Neutrino beams) activities:
 - ♦ 2. to 5. Nov. 04 at DESY

Please read my short summaries of these meetings
on the web: www.chipp.ch

- Austria:
 - HEPI in Vienna
 - Innsbruck university.
 - Organisation rather different from Switzerland
- Italy
 - 4 national labs run by INFN + involvement in most CERN experiments
 - INFN works „perfectly“, democratic, supports young people, very effective outreach activities
 - 60% of non scientific visitors at CERN are from Italy.
 - „INFN works miraculously well, although it seems difficult to understand why.“
 - Can we learn something from them?

Linear Collider as a „truly global project“

- „strong world wide consensus“ (OECD statement January 2004, ICFA February 2004),
- 200-500 GeV, upgradable to 1 TeV
- electroweak symmetry breaking, Supersymmetry, dark matter, precision measurements etc.
- should run concurrently with LHC
- April 2004: 2nd world wide funding agency meeting in London (further meeting on June 27, but no info yet)

Linear Collider (cont.)

- schedule being discussed:
 - ITRP (international technology review panel) to recommend technology choice by end of 2004
 - GDI (global design initiative) to start working in 2005
 - exit path of planning 2009/10, if LHC results would show, that an LC below 1 TeV does not make sense.
 - construction and major investments start 2009
 - begin of operation 2015,
 - to overlap in operation time with LHC
- CERN council should be the „European regional board“ for the LC

European Union funding for R&D

- Activities presently coordinated by ESGARD (European steering group for acc. R&D, headed by R. Aleksan, Saclay).
- EUROTEV proposal (European design study towards a global linear collider):
 - 23 institutes, including CERN and DESY
 - concentrates on issues, which are not acc. technology dependant: beam delivery, damping rings, polarisation, diagnostics, luminosity, metrology, stabilisation, etc.
 - coordinated by E. Elsen, DESY
 - funding request to EU on March 3, 2004 within FP6
 - ranked best of 130 projects. Expect 9 MEuro
- EURISOL: (next generation isotope facility), including „beta beams“ for neutrino experiments
 - feasibility study 2000-2003 (EU - FP5)
 - new proposal for a design study handed in recently (FP6)

European Union funding for R&D (cont.)

- CARE (Coordinated Accelerator Research in Europe) has received 5.2 MEuro from EU in March 2004.
 - 4 „joint research activities“ (SRF at DESY, HIPPI at CERN, etc.)
 - 3 networking activities (LC, BENE, hadron accelerators)
 - coordinated by R. Aleksan
- Neutrino factory design study: submission of funding request to EU probably next year.

EU funding seems to work very well so far!

- EU wants to step up research to 3% of GDP
- a European Research Council to be formed (cooperating with UNESCO)
- Particle physics is „used to run big projects“
- CAVEAT: This money not to be subtracted from the member states contributions to CERN
- But CERN-DG says: „the member states will contribute to the LC through CERN“

Other items:

- CLIC R&D to be strengthened
 - in parallel to the present LC activity, in view of a later multi TeV collider.
 - MoU for CLIC R&D is being prepared
 - ITRP looks also at CLIC (?)
- Joint SPC and ICFA meeting in Rome (July 19) is supposed to clarify the role of CERN in the LC activities