

SEMINARS SEMINAIRES

Monday 21 September

AC SEMINAR

at 11.00 hrs – AT Auditorium
bldg 30, 7th floor

Garmisch highlights on linear colliders

by J.P. DELAHAYE/CERN-PS, G. GUIGNARD/
CERN-SL & L. THORND AHL/CERN-SL

The seminar intends to start with a brief overview of the concepts on which linear colliders are based. It then emphasizes the status of the studies and developments, as well as the main trends in this field, as they were presented and discussed in the Linear Collider Workshop of Garmisch-Partenkirchen, 25 July–2 August 1992. The talks will focus on three major topics: the injection system including beam generation and damping rings, main accelerator parameters and performance, and RF structures and sources.

Monday 21 September*

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Council Chamber**

Kaon physics at Fermilab

by B. WINSTEIN / University of Chicago

A new facility for high precision, high sensitivity studies of Kaon decays – both rare and CP violating – is underway at Fermilab. The new beam and detector, motivated to improve upon E731, will be described. Some prototype results and our progress will be presented.

* Please note unusual day & place

** Tea & coffee will be served at 16.00 hrs

Wednesday 23 September

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Monte Carlo's for τ production and decay

by Z. WAS / CERN-TH

Theoretical predictions not only must be compared with the experimental results. To some extent they also enter into the data themselves through the process of analysis and interpretation. We will discuss Monte Carlo programs for the τ physics. In particular, we will discuss spin correlation effects, real photon emission effects and new decay modes recently included into our programs. The question of technical and physical precision of the Monte Carlo predictions and its potential effect on the experimental data will be addressed.

Friday 25 September

MEETING ON PARTICLE PHYSICS PHENOMENOLOGY

at 14.00 hrs – TH Conference Room

The experimental consequences of supersymmetry

by Howie BAER / Florida State University

I discuss prospects for detection of supersymmetric particles within the framework of the MSSM at LEP, the Tevatron, and at hadron supercolliders. I also discuss the search for supersymmetric Higgs bosons, including the effect of allowing Higgs decays to supersymmetric particles.

Friday 25 September

SPECIAL SEMINAR IN HONOUR OF EMILIO PICASSO

at 15.00 hrs – Auditorium

The following speakers will contribute to the Seminar:

- 1) G minus TWO plus EMILIO
by F. Farley
- 2) CERN and Picasso
by J. Steinberger
- 3) Laboratorio
Emilio
Picasso
and its Project Leader
by G.-A. Voss
- 4) The futuristic period of Emilio Picasso
by L. Radicati di Brozolo

A reception will take place at the end of the seminar (about 17.00 hrs) in the lobby of the Council Chamber (Salle des Pas Perdus).

Monday 28 September

AC SEMINAR

at 11.00 hrs – AT Auditorium
bldg 30, 7th floor

Software for accelerator and technical applications in the LEP200 and LHC era: can we cope with it?

by A. DANEELS / CERN-AT

As in the software industry where computer aided software engineering (CASE) methodologies and tools are commonly used, CERN endeavours to introduce this technology to improve the efficiency of designing, producing and maintaining software. A large project is currently under development in the administrative area whereas a dedicated group has been set up to evaluate state of the art techniques for software development relating to physics experiments. In the wake, a similar activity, though on a smaller scale, has been initiated in the accelerator and technical sector also in view of the large

amount of software that will be required by the LEP200 and the LHC projects. CASE technology will be briefly described and current experience with the use of CASE methods and tools for technical projects in the accelerator and technical sector at CERN will be presented in the perspective of what is going on in that field in other Institutes. This seminar is intended for those who would like to have some insight into this rather new technology. Examples based on ongoing projects will be given as illustration.

Monday 28 September

PPE SEMINAR

at 16.30 hrs – Auditorium

A precise measurement of the τ lifetime

by F. FIDECARO / Pisa (Aleph Collaboration)

Three different techniques are used to measure the average lifetime of the τ lepton in a sample of 11800 τ pairs coming from Z decays, collected in 1991. Events in which both τ 's decay into one charged track are analyzed using two largely independent methods. Displaced vertices in three-prong decays yield another independent measurement. Results are combined and implications for $e - \mu - \tau$ universality are discussed.

Tuesday 29 September

PRESENTATION

at 10.00 hrs

demonstrations from 14.00 hrs

CN Auditorium, bldg 31/3-005

VME products and real-time applications

by Claude BOZZO / CETIA, Toulon, France

Information : Ludwig Pregernig / CN/2666/lfp@cernvm

Tuesday 29 September

PRESENTATION

at 10.30 hrs – TH Conference Room

Very large databases on massively parallel systems

by Ben LINDER / Oracle Corporation

Tuesday 29 September

CERN PARTICLE PHYSICS SEMINAR

at 16.00 hrs* – Auditorium

A summary of results presented at the 1992 International Conference on HEP in Dallas

1. Hadronic results, by M. Nessi (45 min)

2. Electroweak results, by L. Rolandi (45 min)

* Please note unusual time

Wednesday 30 September

DETECTOR SEMINAR

at 11.00 hrs – ECP Conference Room

bldg 13/2-005

Analogue signal delay and processing with acoustic charge transport devices

by William M. DOUGHERTY / University of Washington, Seattle

Wednesday 30 September

PS SEMINAR

at 11.00 hrs – PS Auditorium

bldg 6/2-024

A new acquisition system for analogue signals in the PS complex

by B. FRAMMERY / CERN-PS

EDUCATION SERVICES EDUCATIFS

SPECIAL ENGLISH COURSE (ADVANCED) WRITING FOR NON-NATIVE ENGLISH SPEAKERS

This course is designed for scientists, technicians, and anyone else interested in improving their technical writing abilities.

As this is a "hands-on" course, students are encouraged to bring in for correction and discussion material on which they are currently working.

Dates and times

13 October to 19 November

Tuesday and Thursday from 13.45 hrs to 15.45 hrs

Number of hours : 24

Number of participants : 8

Price : 420 SF

For those interested a test will be given on 29 September at 15.00 hrs, bldg 54/R-037

For further information please contact Ulrich Liptow, tel. 2957.