

SEMINARS SEMINAIRES

Monday 9 November

EF SEMINAR

at 11.00 hrs – EF Conference Room
bldg 13, 2-005

Report on the IEEE 1987 nuclear science symposium in San Francisco

by Sandro MARCHIORO / CERN-EF and
Hans MÜLLER / CERN-EP

The talk will cover selected topics from the (parallel) sessions of the conference with emphasis being placed on data acquisition, Fastbus, advanced custom circuits and related subjects.

Monday 9 November

EP SEMINAR

at 16.30 hrs – Auditorium

Radiative corrections to the Z^0 resonance at LEP/SLC and to narrow resonances in e^+e^-

by Giovanni BONVICINI / Univ. of Michigan,
Ann Arbor

We review the status of QED corrections to the Z^0 resonance, and show that they can be calculated and incorporated into the comparison with experiment so that there will be no QED uncertainty on the measurements of the Z^0 mass and width at SLC and LEP. Two Monte Carlos used for this analysis are described. We use our results to refit the data of the J/ψ and ψ' , and other charm and beauty resonances, and find that six quantities in the Particle Data Book change significantly. We conclude discussing possible experimental tests of QED factorization, and the impact of this analysis on forthcoming high precision tests of the Standard Model.

Mercredi 11 novembre

PRESENTATION TECHNIQUE

de 09.00 à 12.00 h
bus sur le parking PTT (près du bât. 63)

Rittal-Werk Rudolf Loh GmbH & Co. KG (D),
représenté par Rittal AG (CH), propose en exposition
démonstration :

- coffrets de jonction (14 tailles différentes)
- coffrets de table vario-case
- armoires électroniques vario-rack, technique 19"
- systèmes de tiroirs de la génération 'High Tech.'
- climatiseurs
- échangeurs de température Thermex modèles standard et modèles minis
- climatisation par tiroir 19"
- échangeurs de température en tiroir 19"
- ventilateurs en tiroir 19"
- ventilateurs à filtres
- chauffages
- régulateurs de température

Langues : allemand, français

Renseignements : M. Diraison / FI / 4585

Wednesday 11 November

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Weak amplitudes from lattice QCD

by G. MARTINELLI / CERN

Recent results of a calculation of the $\Delta I = 1/2$ and $\Delta I = 3/2$ amplitudes and of the $K^0\text{--}\bar{K}^0$ B parameter are presented and compared with experiments. Other results concerning phenomenologically interesting quantities like $f_{D,F}$, f_{B_d,B_s} and the $B^0\text{--}\bar{B}^0$ B parameter are also reported. Finally, the possibility of computing in the near future ϵ'/ϵ on the lattice is discussed.

Wednesday 11 November

DD SEMINAR

at 16.00 hrs – DD Auditorium
bldg 31, 3-005

Remote Procedure Call

by Tim BERNERS-LEE / CERN-DD

Data acquisition and control systems are built of large numbers of processors. Remote Procedure Call (RPC) is a technique which simplifies the implementation of the application software on such distributed systems. The seminar will explain what RPC is, and show how to use it in practice. It will describe the tools available in DD/OC, with examples of current applications in CERN experiments. If time permits, an overview of different RPC systems and standards will be included.

Jeudi 12 novembre

PRESENTATION

de 09.00 à 12.00 h et de 14 à 16.30 h
Amphithéâtre SPS, bât. 864

Le logiciel PCAD

par Renaud MATHIEU / PCAD, Bruxelles

Cette présentation fait suite aux deux jours de formation des 10 et 11 novembre. PCAD est un logiciel d'aide à l'étude pour le circuit imprimé qui permet une solution complète d'étude, depuis le schéma jusqu'aux films de fabrication des circuits imprimés.

Langues : français, anglais

Renseignements : D. PERON / SPS / 5163

Friday 13 November

MEETINGS ON

PARTICLE PHYSICS PHENOMENOLOGY

at 11.00 hrs – TH Conference Room

ϵ'/ϵ

*The NA31 experiment, by A. SANDERS / LAL-Orsay
Theory, by M. LUSIGNOLI / CERN*

Monday 16 November

EF SEMINAR

at 11.00 hrs – EF Conference Room
bldg 13, 2-005

Software development for microprocessors using OS-9

by Tim CHARITY / CERN-EP

OS-9/68K is a multi-user operating system for the Motorola 68xxx microprocessor family which has been selected for use in the ALEPH and OPAL online systems, and is used by various other groups at CERN. The use of OS-9 as an environment for software development will be illustrated using examples showing the creation, compilation, execution, and debugging of application programs written in 'C'. The development of system modules such as device drivers will also be shown, together with the porting of OS-9 to different hardware configurations.

Tuesday 17 November

MEETING ON FASTBUS DEVELOPMENTS

at 09.00 hrs – TH Conference Room

1. *FASTBUS news from the USA*
by H. MÜLLER / CERN
2. *Developments in FASTBUS at the University of Illinois*
by L. PREGERNIG / CERN
3. *The front end electronics for the ALEPH electromagnetic calorimeter*
by R.L. CHASE / Orsay
4. *Ongoing ideas for FASTBUS serial diagnostic networks in the US*
by R. DOBINSON / CERN
5. *A.O.B.*

Tuesday 17 November

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

New results on charm and beauty baryon production at the ISR

by L. CIFARELLI / INFN, Bologna

Mercredi 18 novembre

REUNION OUVERTE DU LEP

à 14.30 h – Amphithéâtre du LEP
bât. 30, 7e étage

Le système d'aimants du LEP

par J.P. GOURBER / CERN-LEP

Thursday 19 November

BERNARD GREGORY LECTURE

at 16.30 hrs – Auditorium

To explore the 1 TeV scale

by Chris QUIGG / Deputy Director for
Operations, SSC Central Design Group, Berkeley

Du 30 novembre au 4 décembre

SEMINAIRE TRAITEMENT DE TEXTE «MICROSOFT WORD» SUR MACINTOSH

- Du lundi au vendredi, 5 demi-journées
- Deux niveaux : (1) Débutants, (2) Avancés
- Les participants devront avoir les connaissances de base du Macintosh
- Nombre de places limité
- Pour tous renseignements et inscriptions, s'adresser à Mme W. Hug / EP, tél. (8)7159, le matin de 08.00 à 12.00 hrs.
- Date limite d'inscription, le vendredi 20 novembre 1987.

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 2844

Jeudi 12 novembre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844-3364

9, 10, 11 & 12 November

11.00 hrs to 12.00 hrs – Auditorium

Possible experimental manifestations of supersymmetry and superstrings

by J.R. ELLIS / CERN-TH

The motivations for supersymmetric theories will be reviewed and their possible experimental probes at accelerators and in non-accelerator experiments will be discussed. An elementary introduction to superstring theory will be given, and different approaches to its phenomenology will be reviewed. The prospects for experimental manifestations of superstrings will be mentioned.

16, 17, 18, 19 & 20 November

11.00 hrs to 12.00 hrs – Auditorium

Theoretical and experimental aspects of the Free Electron Laser

by G. DATTOLI & E. SABIA / ENEA, Frascati

Lectures 1 & 2, by E. Sabia

In these lectures, the main problems in the FEL experimental activity will be described (with emphasis on accelerator aspects, beam transport and undulator technology). Furthermore, a detailed review of existing or planned FEL experiments will be presented.