

SEMINARS SEMINAIRES

Monday 14 February

EP SEMINAR

at 17.00 hrs – Auditorium

Study of electroweak interactions

by H. BURKHARDT / CERN-EP

The processes $e^+e^- \rightarrow e^+e^-$, $e^+e^- \rightarrow \mu^+\mu^-$ have been studied to test electro-weak interactions and to search for scalar leptons. The analysis procedure using the TASSO detector at PETRA will be described. Emphasis will be put on a discussion of the systematical uncertainties introduced by the experiment and by radiative corrections.

Tuesday 15 February

DD SEMINAR

at 16.00 hrs – DD Auditorium (bldg. 31, 3rd floor)

Hacienda : a prototype system for colour image display and processing

by P. FRANCHI / IBM Scientific Centre, Rome

Hacienda is a prototype system for colour image display and processing. It has been designed and built by the IBM Scientific Centres for use in their image processing applications. The presentation will cover the fundamentals of the architecture and supporting software, as well as an overview of the applications under development at the Rome Scientific Centre.

Wednesday 16 February

THE PS SEMINAR IS CANCELLED

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Supergravities and integrable systems

by B. JULIA / LPTHE, Ecole normale supérieure, Paris

This talk will be a review of known symmetries of (super)gravity theories and of their applications to the discovery of solutions and to the quantization problem.

Vendredi 18 février

PRÉSENTATION TECHNIQUE

09h00 - 12h00 – bât. 13, 2-005

CELDUC (F) représente STOLZ AG (CH) et propose un séminaire sur sa série de modules entrées/sorties pour automatismes industriels, avec ou sans micro-processeurs :

- raison d'être de cette série
- présentation des quatre fonctions principales (entrées continue et alternative, sorties continue et alternative)
- présentation des supports simples (8-16 et 24 positions)

- présentation du support programmable (16 positions)
- présentation des cartes interfaces destinées à adapter chaque type de calculateur aux cartes et modules existants
- perspectives et tendances de développement de cette gamme.

Langue : français

Renseignements : M. Diraison / FI / 4585

Monday 21 February

EP SEMINAR

at 17.00 hrs – Auditorium

Simulation and measurement of drift chamber pulses and resolution in micro-jet chambers

by J. VA'VRA / SLAC

We have tested a prototype of a micro-jet chamber both using a nitrogen laser and a 10 GeV electron beam. The achieved resolution in the particle beam was $\sigma = 16.5 \mu\text{m}$ for 1 mm impact parameter and $21 \mu\text{m}$ when averaging over the whole beam profile. The experimental results were compared to a Monte Carlo program, which simulates the pulse shapes and resolution in drift chambers of any geometry. The main emphasis in our simulation analysis was to study various timing strategies in drift chambers in order to achieve the best possible timing resolution. The study is in particular important for large new chambers considering waveform digitising electronics. In addition we will describe measurements with the nitrogen laser involving double track separation, saturation of the wire, laser yield as a function of pressure, etc.

Tuesday 22 February

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

The observation of B mesons and other new results from CLEO

by Michael OGG / Cornell University

Wednesday 23 February

THE PS SEMINAR IS CANCELLED

Thursday 24 February

CERN PARTICLE PHYSICS SEMINAR

at 16.00 hrs – Auditorium

PLEASE NOTE CHANGE OF TIME

e^+e^- annihilation studies with the MAC detector

by G. CHADWICK / SLAC

SEMINAIRES EF DU PRINTEMPS 1983

Ce printemps la division EF organise une nouvelle série de séminaires.

Programme préliminaire :

14 mars	When should CERN LSI (Large Scale Integration) chip design start? by B. HYAMS / EP	14 March
21 mars	Des quarks ! Pourquoi faire ? par Ch. PEYROU / EF	21 March
28 mars	The Wire Chamber Conference Vienna 1983 by W. WITZELING / EF	28 March
25 avril	Applications de la conception assistée par ordinateur par Cl. HAUVILLER / ISR	25 April
2 mai	The Padova Conference on specialized processors in elementary particle physics by Ph. GAVILLET / EF	2 May
9 mai	La physique au LEP par H.F. HOFFMANN / EP	9 May
16 mai	Les quatre expériences LEP par H.F. HOFFMANN / EP	16 May
30 mai	Le PS source de particules du CERN par Y. BACONNIER / PS	30 May
6 juin	Le SPS : accélérateur haute intensité, collisionneur p $\bar{p}$ et injecteur d'électrons par J. GAREYTE / SPS	6 June
13 juin	Le projet LEP par F. BONAUDI / SPS	13 June
20 juin	High density projection chamber : new results and developments by Ariella CATTAI / ROME-SANITA	20 June

Les séminaires auront lieu le lundi de 11h00 à 12h00 dans la Salle de Conférence EF, bât. 13, 2-005.

EF SPRING SEMINARS 1983

EF Division is organizing a new series of seminars to take place this spring.

Preliminary programme :

The seminars will take place on Monday from 11.00 hrs to 12.00 hrs in the EF Conference Room, bldg. 13, 2-005.

TRAINING AND **EDUCATION** **ENSEIGNEMENT**

ENSEIGNEMENT GÉNÉRAL
Tél. 2844

Jeudi 17 février

de 13.00 h à 13.30 h – Amphithéâtre
Science pour tous -
par R. CARRERAS

INFORMATIONS **GENERALES** **GENERAL INFORMATION**

TABLEAUX DES CONGÉS

VEUILLEZ NOTER que le 27 JUIN 1983 est un jour **OUVRÉ** et non un jour férié comme cela est indiqué sur les tableaux.

Les personnes désireuses d'utiliser ces tableaux des congés **sont priées d'aller les retirer** au secrétariat de leur division ou de leur département.

C. Mairet / FI
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