

SEMINARS

SEMINAIRES

Mardi 15 Janvier

PRESENTATION TECHNIQUE

09.30 a 13.00 h - bat. 865, 2-A04

MORS (F) propose en exposition-demonstration :

- 1. INSTRUMENTATION
Convertisseurs de mesure *pour grandeurs alternatives U, I, P active, S reactive, angle de phase, frequence - pour signaux continus (S) sonde, thermocouples, etc.*
Detecteurs de seuils (S).
Indicateurs *analogiques aalvanometriques, a echelle lumineuse, numeriques.*
Regulateurs et emetteurs de programme *monoboucles comportant des modeles tres simples et des mode les a microprocesseur entierement configurables avec consigne pilotable de Vexterieur ou programmable.*
Enregistreurs.
Centrale de mesure *a microprocesseur permettant la mesure, la surveillance, l'edition de releves ou d'alarme et racquisition en numerique de 16 voies - entrees multiplicateurs programmables par le clavier.*
- 2. AUTOMATISME
Automates programmables *de petite capacite (256 voies maxi) pour automatisation de commandes de machines, possibilite de dialogue entre automates.*
Developpement a base de microprocesseur *materiel a la demande pour automatisme.*
Relais industriels et miniature.
Electro-aimants.
- 3. ENERGIE
Secours alternatif *materiel comprenant le chargeur, la batterie et Vonduleur sinusoidal - 3 gammes : 250 a 3000 V,6,5a20 kVA monophasé, 15 kVA a 500 kVA triphase.*
Conditionneur de reseau *125 VA a 10 kVA.*
Secours continu.
Chargeur de batteries.

Langue : francais
Renseignements : M. Diraison / FI / 4585

Tuesday 15 January

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *

Measurements of the Lamb-shift in muonium

by V. HUGHES / Yale University

*) Tea and coffee will be provided at 16.00 hrs.

Mercredi 16 Janvier

PRESENTATION TECHNIQUE

09.30 a 13.00 h - Auditorium LEP
(bat. 30, 7e etage)

MORS (F) propose une exposition-demonstration.

(VOIR DETAILS SOUS PRESENTATION TECHNIQUE DU MARDI 15 JANVIER)

Wednesday 16 January

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

Developments in superstring theory

by Michael B. GREEN / Queen Mary College,
University of London

In this talk I will outline the basic structure of superstring field theory with particular emphasis on the major differences from conventional point field theory. I will then describe the calculation of chiral gauge anomalies and show that the Yang-Mills, gravitational and mixed anomalies all cancel for the group SO (32). This calculation will be explained in detail in terms of the effective low energy point field theory in which case the group can also be E% x E%. Other remarkable consistency properties of these theories will also be described.

Mercredi 16 Janvier

REUNION OUVERTE DU LEP

a 14.30 hrs - Auditorium du LEP
(dernier etage du batiment 30)

- 1. Annonces et reponses aux questions.
- 2. **Revue de ('instrumentation de la machine**
par C. Bo vet
- 3. **Geodesie souterraine**
par J. Gervaise.

Wednesday 16 January

DD SEMINAR

at 16.00 hrs - DD Auditorium
(building 31, third floor)

Electronic Mail at CERN : the end of COMICS ?

by Ulf BEYSCHLAG

Under the name of COMICS (Computer based Message systems Interconnect Strategy), an interdivisional study has been performed and now completed. User requirements for electronic mail at CERN have been assessed and various technical solutions have been proposed and evaluated. A project proposal will be presented to the management within the next days. It will consist of a strategy for the interconnection of various electronic mail systems and networks on the CERN site and within the High Energy Physics community. It is based on the new international standard X.400 (MHS). Further suggested features are an interface to Telex, a directory service for electronic mail addresses, a public distribution list scheme, a hardcopy service for people who cannot access electronic mail systems, and special mailboxes for secretariats. This presentation will describe the results of the COMICS study.

Wednesday 16 January

ISOLDE SEMINAR

at 16.00 hrs - Theory Conference Room

Progress report on the Zurich neutrino mass experiment

by J.W. PETERSEN / Institute of Physics,
University of Zurich

Jeudi 17 Janvier A high-precision tracking chamber has recently been in-

PRESENTATION TECHNIQUE
de 0900 à 1000 h - Auditorium DD *Dr. J. Lucif provide a phi rwnlimin w drift nine, ami*
(sal. 313018)
HP ASSOCIATED (F), representant HAG A/S (N), sion i measurements are obtained from cathode strips
propose en exposition demonstration leurs sieges BA- located on the inner and outer walls of the chamber
LANS dont la conception a pris en compte les fmm, D
economie el plmitolov: this chamber will be presented.
Langue: Français. zviis
Personnages: M. Dision 11 486

Monday 21 January EF SEMINAR at 1100 hrs - EF Conference Room (bldg. 33203) The QLEO vertex detector: Construction and initial running experience by Dr. Torsten JENSEN / CERN Site	Tuesday 22 January CERN PARTICLE PHYSICS SEMINAR at 1000 hrs - Auditorium Photoproduction and decay of charmed particles at 20 GeV by Serge KAMUS / Rutherford Appleton Laboratory
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TRAINING AND
EDUCATION
ENSEIGNEMENT

ENSEIGNEMENT GENERAL Tél. 2844	Jeudi 17 Janvier de 1300 h à 1330 h - Amphithéâtre Séance pour tous par R. OFFERENS
Mardi 15 Janvier LESSONCESAUCOURCHU S. S. COHEN par R. OFFERENS PTO (cancel on mardi 21 janvier)	ACADEMIC TRAINING Tél. 2844 - 3364 21, 22, 23, 24 et 25 Janvier 1100h-1200h Amphithéâtre Lectures 1, 1.1, 1.1.1, 1.1.1.1. (in French) nt par C. DELOREL / Université de Genève
<E>O<< > ^ lions science-soaete. do, "i	Les principaux points abordés au cours seront:

Vne attention particulière est portée au langage et aux Leslangages rektionnels de manipulation de données.

formation scientifique n schema relattonnel

REFERENCES:
- C. DAM, M. Jldio: Base de données et
Système relationnels (Dunod, 1982)
Système des Relations Publiées: C. Date: An introduction to data basesystem.
Id. 772