

PASSAGE DE MARCHANDISES PAR LE TUNNEL RELIANT LES SITES DE MEYRIN ET DE PREVESSIN DU CERN

Il paraît utile de rappeler que cette voie de passage transfrontière a été créée, en accord avec les autorités douanières des deux Pays hôtes, pour permettre une libre circulation des biens de l'Organisation entre les différents sites au prix de formalités très allégées.

Toute marchandise ne répondant pas à cette définition doit passer par la route normale, par les bureaux des douanes suisses et françaises.

Ceci s'applique, en particulier, aux marchandises constituant des biens personnels des membres du personnel du CERN ainsi qu'à ceux appartenant à des entreprises.

L'Organisation qui attache une grande importance au strict respect de cette règle ne manquera pas de sanctionner sévèrement tout abus qui viendrait à être constaté.

Service des Relations
avec les États-hôtes
Tél. 5152

PASSAGE OF GOODS THROUGH THE TUNNEL LINKING THE MEYRIN AND PREVESSIN SITES

It should be remembered that this passage across the Franco-Swiss border was built, in agreement with the customs authorities of the two Host States, to allow movement of CERN property between the sites with considerably reduced formalities.

Any other goods must travel along the normal road, passing through Swiss and French customs posts.

This particularly applies to contractors' goods and goods which are the personal property of CERN staff.

The Organization considers strict observance of this regulation to be of the utmost importance and will impose severe penalties in the event of infringement.

Service for Relations
with the Host State
Tel. 5152

SEMINARS SEMINAIRES

Monday 29 November

EF SEMINAR

at 11.00 hrs - EF Conf. Room, bldg. 13, 2-005

Particle identification by dE/dx sampling

by W. TEJESSY / CERN-EF

After an introduction into the method of ionization sampling to identify particles in the relativistic rise region, an overview of our optimization studies using various noble gases and hydrocarbons at different pressures will be presented. This will include new results in neon and argon. An evaluation of test measurements using longitudinal drift and very fine sampling will be given in conclusion.

Tuesday 30 November

DD SEMINAR

at 16.00 hrs - DD Auditorium, bldg. 31, 3rd fl.

PIONS, a Partial Implementation of Our New System

by D. MYERS

PIONS is a new 3D graphics package which has been developed for the use of UA1 and UA2 on the Merlin system. It is specifically designed to interactively view event data on high performance 3D refresh display hardware. Structured graphical information is stored in the PIONS data base. This data base is interpreted to pro-*

duce images on different types of display hardware. Modifications made to any part of the data base are automatically reflected on the display(s), assuming that they support selective update. The presentation will cover the requirements of a package to support applications of this type, the current PIONS implementation and future developments.

**) Merlin consists of a VAX 11/780 plus 2 Megatek 3D dynamic vector displays.*

Tuesday 30 November

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

Interacting bosons in physics and chemistry

by F. IACHELLO, Physics Department, Yale Univ.

Several problems in physics can be described in terms of a system of interacting bosons. This description has led to important developments in nuclear physics (among others the discovery of dynamic symmetries and super-symmetries in complex nuclear spectra) and it may prove to be useful in other branches of physics, for example in molecular physics and chemistry (where it has been used to treat complex molecular spectra). In this colloquium, a simple introduction to interacting boson techniques will be given and applications to several fields will be shown.

*Tea and coffee will be provided at 16.00 hrs.

Mercredi 1 décembre

PRÉSENTATION TECHNIQUE

de 09.00 h à 13.00 h - bât. 73, 2-027

ADTECH INTERNATIONAL SA (F/USA) propose en exposition une série d'alimentations destinées à des applications électroniques industrielles et spécialement pour microprocesseurs et péri-informatiques : linéaires 'open frame' de 15 à 250 W, linéaires à haut rendement de 45 à 250 W, à découpage multisortie 60 et 100 W, sur carte Europe 30 W, en boîtier à découpage 50 et 100 W (1 à 4 sorties).

Langue : français

Renseignements : M. Diraison / FI / 4585

Mercredi 1 décembre

SÉMINAIRE PS

à 11.15 h - Amphithéâtre PS, bât. 6, 2-024

Refroidissement par faisceau d'électrons de haute énergie et physique du charmonium sur LEAR

par le Pr. L. TECCHIO / Université de Turin

L'option prévue dans laquelle LEAR est transformé en minicollisionneur proton-antiproton donne la possibilité d'éclaircir quelques questions importantes concernant la spectrométrie des particules charmées. L'utilisation du refroidissement par faisceau d'électrons de haute énergie est envisagée dans le but d'accroître la luminosité et d'améliorer la résolution expérimentale.

Mercredi 1 décembre

PRÉSENTATION TECHNIQUE

à 14.00 h - bât. 13, 2-005

FRANCE TRANSFO (F) propose un exposé sur les transformateurs secs. Cette société a repris, depuis quelques années, la fabrication de transformateurs de distribution, selfs et autres matériels à bobinage dans l'air (assurée auparavant par JEUMONT SCHNEIDER).

Langue : français

Renseignements : M. Diraison / FI / 4585

Wednesday 1 December

THEORETICAL SEMINAR

at 14.00 hrs - TH Conf. Room

Towards a dynamical theory of quarks and leptons

by R.D. PECCEI / Max-Planck Institut, Munich

I will discuss a new idea for obtaining light composite quarks and leptons, which is based on supersymmetry rather than chiral symmetry. A model will be presented in which, naturally and unequivocally, only the fermions of one family appear as the light excitations. Indications will be given, however, on how to incorporate families in a similar dynamical scheme. A discussion will be undertaken of mass generations in the model and of the nature of possible residual interactions. The model allows the ordinary weak interactions to appear as residual.

Thursday 2 December and Friday 3 December

LEP MACHINE ADVISORY COMMITTEE

I. OPEN SESSION

Thursday 2 December

ISR Auditorium

14.00 hrs : Low-beta insertions by T. Taylor

14.45 hrs : Presentation of Version 12 parameters
by M. Placidi

15.15 hrs : Machine tolerances by E. Keil

16.15 hrs : Electrostatic separators for injection and
acceleration by S. Myers and K.H. Kissler

II. CLOSED SESSION

Friday 3 December

at 14.00 hrs - DG 6th Floor Conf. Room, Main
Building

Thursday 2 December

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

**Neutrino masses : beta-decay and double
beta-decay**

by J.J. SIMPSON / Univ. of Guelph, Canada,
and CERN-EP

One of the problems challenging experimental physicists today is that of determining the rest mass of neutrinos. A non-zero neutrino mass will affect the shape of beta-spectra and may induce neutrinoless double beta-decay. This talk will review recent measurements of the beta-spectrum of tritium for the purpose of determining the mass of the electron antineutrino and of searching for evidence of heavy antineutrinos mixing with the dominantly coupled one. A new experiment now being mounted in Canada to search for neutrinoless double beta-decay of ⁷⁶Ge will also be discussed.

* Tea and coffee will be provided at 16.00 hrs.

Friday 3 December

THIRTY-SECOND PLENARY ECFA MEETING

at 09.00 hrs - Council Chamber

Draft Agenda

1. Approval of the Draft Minutes of the 31st Plenary ECFA Meeting - ECFA/82/61
2. Adoption of the Agenda - ECFA/82/63
3. Chairman's Report
4. Report on the ECFA/RAL Meeting held at Oxford : 'The Challenge of Ultra-High Energies' (U. Amaldi)
5. Report on the 1982 ICFA Meeting (J. Mulvey)
6. Support for Advanced Accelerator R. and D.
7. DESY-ECFA Workshop on Detectors for ep Physics
8. The Status of LEP, the CERN Budget and the Research Programme (H. Schopper)

- LUNCH -

9. Report on the ECFA-CERN 'Software Workshop' (R. Böck)
10. Present and Future Activities of the ECFA Working Groups on Data Handling and Processing (E. Lillestol)
11. Long-range Computing Policy at CERN (E. Gabathuler)
12. Dates of ECFA Meetings in 1983
13. Any Other Business

NB : The meeting is expected to last until 5 p.m.

Monday 6 December

EF SEMINAR

at 11.00 h - bldg. 13, 2-005

The LEP experiments

by H. HOFFMAN / CERN-EP

Tuesday 7 December

DD COLLOQUIUM

at 14.00 hrs - Council Chamber

ALBIS-ECS 5800 Document

by J.M. CROSSENACHER / Siemens-Albis
and S. TIETZE / Siemens AG, Munich

TRAINING AND

EDUCATION

ENSEIGNEMENT

ACADEMIC TRAINING

Tel. 2844

Tuesday 30 November and Wednesday 1 December

Particle detectors -
lectures 5 and 6 in a series of 8

at 11.00 hrs - Auditorium

Ring-imaging Cherenkov counters (in French)

by J. SEGUINOT / Ecole Polytechnique,
Palaiseau

The techniques used for the detection of UV radiation will be presented and their applications to the ring-imaging Cherenkov (RICH) counters discussed. The focused and proximity-type counters will be studied, and the analysis of their theoretical limits compared with the experimental results. Finally, the study of RICH counters for the LEP programme will be presented as an illustration of their possibilities for particle identification.

Thursday 2 December and Friday 3 December

Particle detectors -
lectures 7 and 8 in a series of 8

at 11.00 hrs - Auditorium

Silicon semiconductor detectors

by H. HEIJNE / CERN

Semiconductor particle detectors find widespread use in nuclear research but they are not often used in high-energy physics experiments. New developments in detector technology and new requirements in high-energy physics may change this situation. Using the technology developed for large scale integrated circuits, it has become possible to construct silicon detectors of fairly large size, with a spatial resolution approaching a few micrometres. Newly designed high speed electronics enable these microstrip detectors to deal with high multiplicity events in beams with intensity over 10^7 per second. The lectures will provide an introduction to semiconductor detectors and some recent applications of silicon microstrip detectors will be discussed.

ENSEIGNEMENT GÉNÉRAL (Tél. 2844)

Jeudi 2 décembre

de 13.00 h à 13.30 h - Amphithéâtre

Science pour tous -

par R. CARRERAS

ENSEIGNEMENT

Secretarial Development

The Educational Services intend to organize in early 1983 a 3 day course on Secretarial Development, covering such areas as team work in the office, human relations, and the impact of new technology on the secretary's role.

The course will be given by Ninen Charvet from the 'International Training Consultants' Group, organizers of training activities for various European Institutions.

Any secretary who would like more information should phone to :

M. Pincott 3674 (mornings only)

E. Fischer 5811

J. Huguenin 3364

for an appointment with the course organizers.

INFORMATIONS

GENERALES

GENERAL INFORMATION

BD, CARTES DE VOEUX ET POSTERS...

sont en vente les

jeudi 2 et mercredi 8 décembre
de 11.30 h à 14.30 h

près du kiosque à journaux dans le hall du Bâtiment administratif.



Service de documentation