

Monday 17 January

EP SEMINAR

at 17.00 hrs - Auditorium

A study of events with large transverse energy in experiment R110

by P.T. COX / CERN-EP

Results from experiment R110 at the ISR using a total neutral transverse energy, E_T , trigger will be presented. The results include the E_T spectra at the three CM energies and the structure of events in the E_T -range 10 to 30 GeV. Evidence for the predominance of 2-jet events at high E_T will be discussed.

TRAINING AND

EDUCATION

ENSEIGNEMENT

ENSEIGNEMENT GÉNÉRAL

Tél. 2844

Jeudi 13 janvier

à 13.00 h - Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844

10, 12, 14, 17, 19, 21 January

Series of 6 lectures

at 11.00 hrs - Auditorium

QCD and hard collisions

by E. REYA / University of Dortmund

The basic features and problems encountered in higher-order calculations as compared to the leading-order predictions will be discussed in detail such as convention dependences in defining Wilson coefficients and parton distributions, and the renormalization prescription dependence of α_s . Qualitative as well as a few quantitative results will be presented in particular for deep inelastic processes, dilepton and heavy quark production (dynamical vs. intrinsic charm), e^+e^- annihilation, 2 γ processes and purely hadronic high- p_T reactions. In addition, the present status of non-perturbative higher-twist contributions will be discussed. Special emphasis is put on how to use theoretical predictions for comparing with experiment and how characteristic QCD predictions (e.g. due to gluon self-couplings) can be measured. Finally, more speculative aspects will be elaborated on such as spontaneously broken QCD.

Wednesday 19 January

PS SEMINAR

at 11.00 hrs - PS Auditorium (bldg. 6, 2-024)

The DESY-Synchrotron 1982

by G. HEMMIE / Head of DESY-Synchrotron

13, 27, 28 January

Series of 3 lectures

at 11.00 hrs - Auditorium

Management of research projects

by M.G. ROYSTON / I.M.I., Geneva

The lectures will present some of the findings of empirical studies on the factors which make the difference between successful and unsuccessful (technical and commercial) Research & Development (R&D) projects. Some findings of other studies on R&D project selection, planning, management and control, as well as R&D productivity will be presented. Questions on the means of motivating R&D staff will also be discussed, as well as developing check-lists for assessing the strengths and weaknesses of R&D effort from the technical and administrative points of view. While what will be presented relates only incidentally to the CERN experience, it is hoped that discussion points will emerge and be developed which will make the lectures reasonably relevant.

18, 19, 21, 24, 25, 26, 31 janvier

1, 2 février

Série de 9 lectures

à 11.00 h - Amphithéâtre, bât. 593, salle 11

Le comportement des matériaux sous contrainte

par W. BENOIT et B. ILSCHNER / EPF, Lausanne

ENSEIGNEMENT GÉNÉRAL

(1982-1983)

Tél. 2844

2^e trimestre

Jeudis 13, 20, 27 janvier

3, 10, 17, 24 février

3, 10, 17, 24 mars

de 13.00 h à 13.30 h - Amphithéâtre

Science pour tous -

par R. CARRERAS

Cycle d'exposés destinés plus particulièrement aux personnes n'ayant pas de formation scientifique.

**ACADEMIC TRAINING
(1982-1983)
Tel. 2844**

2nd Term

1, 2, 3, 4, 7, 9, 10, 11 March

at 11.00 hrs - Auditorium

**Introduction to supersymmetry and its
experimental consequences**

by P. FAYET / École normale supérieure, Paris

14, 15, 16, 17, 18 March

at 11.00 hrs - Auditorium

Polarized beams in storage rings

by B.W MONTAGUE / CERN

21, 22, 23, 24, 25 March

at 11.00 hrs - Auditorium

Synchrotron radiation and its applications

by Y. PETROFF / University of Paris-Sud)

The abstract of the lectures (together with any change of date, time or place) will be published in the CERN Bulletin and on noticeboards about two weeks before each series of lectures.

Training and Education Service
Secretariat : tel. 2844

ACADEMIC TRAINING

**WORKSHOP ON
DIGITAL SIGNAL PROCESSING**

As a follow-up to a course given on this subject in 1982 by Prof. KUNT, EPFL-Lausanne, a workshop has been scheduled over five days in March 1983. Priority enrolment has been given to the participants in the 1982 course who have already been contacted individually by the Training and Education Service.

A certain number of places are still free and people interested should contact :

E. Fischer, tel. 5811 or

J. Huguenin, tel. 3364

to receive further details.

INFORMATIONS

GENERALES

GENERAL INFORMATION

**OBJETS TROUVÉS AU COURS
DU MOIS DE DÉCEMBRE 1982**

06.12 une chaîne en argent avec pendentif, trouvée au bât. 887-(EHN 1), Site de Prévessin

07.12 un gilet blanc, un parapluie, une laisse pour chien, trouvés au bât. de l'Administration

16.12 une paire de lunettes de vue, trouvée au Self du Magasin central

16.12 un pull-over rouge, trouvé au 1^{er} étage du bât. 5

16.12 une chaînette pour lunettes, trouvée Entrée principale, rout Pauli

17.12 un bonnet de laine, trouvé au guichet des PTT, bât. 866, Site de Prévessin

17.12 une montre de plongée, trouvée au bât. 867, Hall de montage, Site de Prévessin

**PROCHAIN CONCERT
1983**

Vendredi 21 janvier 1983 à 20h précises

**Duo Maria Livia SAO MARCOS (guitare)
Maxence LARRIEU (flûte)**

Œuvres originales pour guitare et flûte
du XVII^e siècle à nos jours

Billets: Fr. 9.- uniquement le soir du concert dès 19h.

**LIMITATIONS DANS LA CONDUITE
DES VÉHICULES CERN**

Toute personne travaillant sur le Site du CERN et titulaire d'une autorisation de conduire les véhicules CERN, qui ferait l'objet d'une décision de retrait de permis de conduire national, est tenue de ne plus conduire les véhicules CERN durant la période de retrait de conduire.

En effet, la délivrance d'une autorisation de conduire les véhicules CERN est assortie de l'obligation d'un permis de conduire en cours de validité.

RESTRICTIONS ON DRIVING CERN VEHICLES

Persons working on the CERN Site and holding a CERN driving licence who have their national driving licence suspended are forbidden to drive CERN vehicles during the period of suspension.

CERN driving licences are issued only to persons holding a valid national driving licence.

SB Division / Transport Section