

Allocation pour Frais d'Etudes Education Grant	IV - 1 IV - 1	39/82 39/82	2 2
Avis aux Membres du Personnel rémunérés par le CERN concernant les impôts dans le Canton de Genève Notice to Members of the Personnel paid by CERN concerning taxes in the Canton of Geneva	IV - 2 IV - 2	28/79 28/79	3 3
Admission dans les hôpitaux publics en Suisse Admission to public hospitals in Switzerland	V - 1 V - 1	15/77 15/77	2 2
Assurance-Maladie (libre passage) Health-Insurance Scheme (free transfer)	V - 1 V - 1	8/77 8/77	2 2
Assurance-Maladie pour Enfants non à charge Health-Insurance for non-dependent Children	V - 1 V - 1	30/81 30/81	2 2

SEMINARS SEMINAIRES

Lundi 19 mars

PRESENTATION TECHNIQUE

de 09.00 h à 12.00 h – Bus, Parking PTT, bât. 63

VEGA MESSTECHNIK AG (D), spécialisé dans la mesure continue et la détection de niveau, propose en exposition démonstration : sonde capacitive, sonde conductive, capteur de pression, appareil sonique, appareil électromécanique, barrière à rayon gamma, sonde vibrante, barrière à micro-ondes.

Langues : allemand, français

Renseignements : M. Diraison / FI / 4585.

Monday 19 March

EF SEMINAR

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

What do we know about neutrino oscillations? Review of present and past neutrino oscillations experiments

by J. WOTSCHAK / CERN-EP

After an introduction to the problem of neutrino oscillations, an overview over the different kinds of experimental searches for this phenomenon is given. Experiments with solar, atmospheric, reactor and accelerator neutrinos will be covered and at the end there will be a short outlook to future projects and ideas.

Monday 19 March

EP SEMINAR

at 17.00 hrs – Auditorium

Study of charmed particle production at the Split Field Magnet Detector

by M. HEIDEN / CERN-EP

The production of charmed particles has been studied by the R416 Collaboration using the Split Field Magnet

Detector at the CERN Intersecting Storage Rings (ISR). The talk will review the results obtained by triggering the apparatus on direct electrons at $\vartheta_{\text{CMS}} = 90^\circ$ at $\sqrt{s} = 62.4$ GeV. Some of the main problems to derive total charmed particle production cross-sections from the observation of mass peaks and the lepton/pion ratio will be discussed.

Mardi 20 et mercredi 21 mars

PRESENTATION TECHNIQUE

de 09.00 h à 17.00 h – 7, Rue du Bois-du-Lan, Meyrin

HEWLETT-PACKARD (Suisse) présente le nouveau standard de l'analyse de réseaux de 45 MHz à 26,5 GHz – HP 8510A. Cet analyseur entièrement automatique mesure rapidement en 'temps réel' avec les corrections d'erreurs. Il vous permet aussi de visualiser vos mesures dans le domaine temps et permet ainsi de remplacer les mesures en réflectométrie.

Langues : anglais, français

Renseignements : M. Diraison / FI / 4585.

Tuesday 20 March

SPS EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs – Auditorium

1. Status report on long term improvements of the UA 1 detector (C. Rubbia).
2. Status report on NA 14 (Photoproduction at high energy and high intensity), on NA 14/2 (A programme of heavy flavour photoproduction) and Proposal for a photon beam dump experiment (SPSC/84-12/M 371; D. Treille).
3. Status report on NA 4 (Inclusive deep inelastic muon scattering; A. Staude).
4. Status report on NA 1 (Photoproduction of vector and scalar bosons; C. Bradaschia).
5. Status report on NA 29 (Study of $\pi^- \pi^0$ production via Primakoff effect on nuclei; G. Bellini).

6. *Status report on NA12 (Study of π^-p interactions with neutral final states; M. Gouanère).*
7. *Status report on NA3 (Direct photon production in hadron-hadron collisions; D. Decamp).*
8. *Search for heavy penetrating and long-lived particles in the NA3 spectrometer (NA3 collaboration; J. Boucrot, SPSC/84-16/P197).*
9. *The production of strange baryons and antibaryons with relativistic light ion collisions at the CERN SPS [LBL (Berkeley)-Bergen-Birmingham-Oxford collaboration; C.R. Gruhn, SPSC 84-13/P196].*

Closed session

on Tuesday 20 March, at 14.00 hrs, Conference Room 6th floor, Administration Building
(to be continued on Wednesday 21 March, at 09.00 hrs).

Tuesday 20 March

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

Large mass electron-neutrino pairs from UA2

by André ROUSSARIE / Saclay

In a search for electron-neutrino pairs in the UA2 data we obtain evidence for a clear W signal. We study the W production and decay properties and compare the results with the predictions of the standard electroweak model. Three events in which the electron-neutrino pair is produced in association with very large transverse energy jets are observed in low background conditions and are difficult to understand in terms of known production mechanisms. These events are described in detail.

* Tea and coffee will be provided at 16.00 hrs.

Wednesday 21 March

THEORETICAL SEMINAR

at 14.00 hrs – TH Conf. Room

Solving Yang-Mills equation via the supersymmetric way?

by Ling-Lie Chau / Brookhaven National Laboratory, Upton

Integrable properties, i.e., existence of linear system, infinite conservation laws, Riemann-Hilbert transforms, affine Lie algebra of Kac-Moody, and Bianchi-Bäcklund transformation, are discussed for the constraint equations of the supersymmetric Yang-Mills fields. For N greater than or equal to three, these constraint equations give equations of motion of the fields. These equations of motion reduce to the ordinary Yang-Mills equation as the spinor and scalar fields go to zero.

Thursday 22 March

ISOLDE SEMINAR

at 10.30 hrs – Council Room

What can we learn from exotic atoms?

by G. BACKENSTOSS / University of Basel, and CERN

Exotic atoms are hydrogen like atoms with negative

muons or hadrons as orbiting particles. Since the discovery of muonic atoms 30 years ago, exotic atoms proved to be very fruitful to study properties of nuclei and of the particles in orbit. Questions pertaining to the fundamental interactions have successfully been attacked. A survey of selected topics will be presented.

Monday 26 March

EF SEMINAR

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

The HERA Project

by H. MESS / DESY

The electron-proton collider HERA will be constructed at DESY (Hamburg). Electrons of 30 GeV will collide with protons of 820 GeV. A general description of the project will be given. In particular the state of the development for the superconducting accelerator magnets of the proton ring will be discussed.*

* (Subject to final approval)

Wednesday 28 March

CAS ACCELERATOR SEMINAR

at 14.30 hrs – LEP Auditorium
(top floor of bldg. 30)

Report on the INS International Symposium on heavy ion accelerators and their applications to inertial fusion

by K.H. REICH

Wednesday 28 March

DD SEMINAR

at 16.00 hrs – DD Amphitheatre
(bldg. 31, 3rd fl.)

Personal work station communications

by B. SEGAL

Thursday 29 March

PRESENTATION

at 14.00 hrs – DD Amphitheatre
(bldg. 31, 3rd fl.)

VMEbus analog input/output and digital signal processing

by M. ECCLES / DSP Manager,
M. SNODGRASS / DSP Marketing Manager
Burr-Brown Ltd., Livingston, Scotland
and
R. FRIEDRICH, El. Ing. ETS Burr-Brown AG,
Rüschlikon, Zürich

Thursday 29 March

CERN COLLOQUIUM

at 16.30 hrs – Auditorium

Physics in sports

by R. SEXL / Vienna University

SEMINAIRES EF DU PRINTEMPS 1984

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

Programme préliminaire :

EF SPRING SEMINARS 1984

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

Preliminary programme :

19 mars	What do we know about neutrino oscillations ? Review of present and past neutrino oscillations experiments by J. WOTSCHAK / CERN-EP	19 March
26 mars	The HERA Project by H. MESS / DESY	26 March
2 avril	A large area spark counter with fine time and position resolution by A. OGAWA / SLAC	2 April
16 avril	UA 1 short term and long term improvement programme - Speaker to be announced -	16 April
30 avril	Report on Novosibirsk conference on instrumentation for colliding beam physics - Speaker to be announced -	30 April
7 mai	Superconducting r.f. cavities in LEP by H. LENGELER / CERN-EF	7 May
14 mai	The DELPHI barrel RICH by E. ROSSO / CERN-EF	14 May
21 mai	Du BGO au LEP. Pourquoi ? par P. LECOQ / CERN-EF	21 May
28 mai	Results from Aleph TPC-90 - Speaker to be announced -	28 May

Les séminaires auront lieu le lundi de 11.00 h à 12.00 h dans la Salle de Conférence EF, bât. 13, 2-005.

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