

Fellows and Associates Service, Personnel Department,
Office 5-3-008 (please use the slip below). Completed
application forms must be returned to this Service by
May 11 at the latest. The results of the selection are
expected to be available by the end of May.

Fellows and Associates Service
Personnel Department



Please send me an application form 'Temporary posts
for children of members of the personnel'.

Name ----- Div./Dep^t. -----

SEMINARS SEMINAIRES

Lundi 18 Avril

SÉMINAIRE EF

à 11.00 hrs – Salle de Conférence EF,
bât. 13, 2-005

**Comment naquit l'idée des quarks
ou SU3 sans larme**

par Ch. PEYROU / CERN

Les quarks qui sont maintenant des objets bien concrets (séminaire du 21 mars) sont nés à partir d'une théorie abstraite qui rassemble toutes les particules grâce à un groupe appelé SU3. Le séminaire décrira la liaison entre la réalité physique et certains groupes, d'abord SU2 puis SU3. Les explications seront à chaque fois données sur deux niveaux. Un purement intuitif, l'autre faisant appel à plus de formulations mathématiques (qui restera de toute façon assez simple). La découverte de la matière de quarks avec leurs propriétés bizarres couronnera l'idée que la nature obéit aux mathématiciens.

Monday 18 April

EP SEMINAR

at 17.00 hrs – Council Chamber

The Fermilab charged hyperon experiment

by John MARRINER / Fermilab

Results of a long-lived charged particle search (tau greater than about 10^{-9} sec) will be presented. A precise measurement of the positive sigma magnetic moment will be reported.

Tuesday 19 April

PRESENTATION

The SUN Workstation

by B. JOY / SUN Microsystems Inc.,
Dr.O. SCHMID / A.C.U. AG

CANCELLED

Wednesday 20 April

PS SEMINAR

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

The 'Adone' storage ring

by S. TAZZARI / Frascati Laboratory

A short history of the facility, the first 'high energy' electron storage ring in operation is given. Performance limitations and control equipment are also discussed. Finally, an overview is given of the current developments, including the wiggler and free electron laser work.

THEORETICAL SEMINAR

at 14.00 hrs – Theory Conference Room

**Quantum field theory in terms of random walks
and random surfaces**

by J. FRÖLICH / EPF, Zürich

LEP SEMINAR

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

**Measuring benches for the magnetic lenses
of LEP**

by L. WALCKIERS / LEP-MA-CERN

For the LEP main ring more than 1200 magnetic lenses will have to be tested and measured at CERN. As measurements of a prototype quadrupole will show, the chosen method allows one to directly link the measured harmonic coefficients of the field to the beam optics requirements and to the symmetry errors of the magnetic circuit. The centering of the magnets with respect to the measuring bench will be fully automated. The architecture of the electronics and data handling system will be described as an example of the numerous benches designed to test and measure the magnetic elements of LEP.

Thursday 21 April

PRESENTATION

at 10.30 hrs – Council Chamber

The IBM Personal Computer

by Maria TAVERA and Carlos REY /
IBM Madrid

The presentation will consist of an overview of the following aspects :

Environment

- The reason for personal computers
- The range of use from home to professional
- Highlights of the area of applications.

Hardware

- Internal view : CPU, keyboard, printer, etc.
- External view : What one can connect;

Design of card to connect to IBM-PC

Software

- Low level : BIOS, Operating System
- High level languages : Basic, Pascal, Coral, etc.
- Usual programming aids : Editor, debugger, assembler, linker, etc.
- Communication programs.

Thursday 21 April

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Council Chamber

Results on proton-antiproton elastic scattering and total cross-section from UA4 experiment

by G. SANGUINETTI / INFN, Sezione di Pisa and CERN

During the last Collider period (October-November 1982), experiment UA4 has collected data in high-beta, medium-beta and low-beta operation schemes of the SPS. Elastic scattering could thus be measured in three different ranges of t , covering the interval from 0.03 to 1.5 (GeV/c)². In spite of the limited statistics collected in the high-beta operation of the machine, a meaningful new determination of the total cross-section could also be obtained, which confirms the result of 1981.

Tea and coffee will be provided at 16.00 hrs.

TRAINING AND

EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GÉNÉRAL (1982-1983)

Tél. 2844

3^e trimestre*)

**Jeudis 19 et 26 mai
2, 9, 16, 23, et 30 juin**

à 13.00 h – Amphithéâtre

Science pour tous

par R. CARRERAS

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

*) en raison de travaux dans l'Amphithéâtre, les séances du 3^e trimestre ne pourront commencer que le 19 mai.

INFORMATIONS

GENERALES

GENERAL INFORMATION

FERMETURE DE L'AMPHITHÉÂTRE

L'Amphithéâtre, au bâtiment administratif, sera fermé du lundi 18 avril au lundi 9 mai inclus pour une réparation de la ventilation devenue absolument nécessaire.

Les usagers réguliers avaient été avertis de cette fermeture il y a 6 mois. On demande aux autres de prendre leurs dispositions pour les trois prochaines semaines. Merci.

Département Documentation

Lundi 25 avril

SÉMINAIRE EF

à 11.00 h – Salle de Conférence EF, bât. 13, 2-005

Applications de la conception assistée par ordinateur

par Cl. HAUVILLER / CERN-LEP

Tuesday 26 April

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Council Chamber

Leading baryon differences in proton-antiproton and proton-proton collisions at the ISR

by P. SCHLEIN / UCLA and CERN

MANAGEMENT TRAINING AT THE UNO

The UN Secretariat in Geneva offers to CERN staff members a few places at the two following training courses in English :

– 2 - 3 May (2 full days)

Management and Teamworking :

Course on the rôle of Administrative Assistant.

Eligible : Administrative Assistants and staff members who may be called upon to perform duties similar to those of an Administrative Assistant.

– 6 - 7 June (2 full days)

Management of time.

Eligible : Managers of all levels who are responsible for the work of subordinates and are faced with uncontrollable time-drains.

For more information, please phone (for the first course as quickly as possible)

E. Fischer, 5811

J. Huguenin, 3364

M. Pincott, 3674 (morning only)

Personnel Department
Education Services

MAIN AUDITORIUM CLOSURE

The Main Auditorium will be closed from 18 April to 9 May for long-needed attention to the ventilation system.

Main users were informed of this closure six months ago. Other users are asked to make alternative arrangements please for these three weeks. Thank you.

Documentation Department