

Lundi 6 mai

EF SEMINAR

at 11.00 hrs – EF Conference Room
(Bldg. 13, 2-005)

The physics at LEP

by D. TREILLE / CERN

The main lines of physics foreseen at LEP will be considered. We will discuss the study of various decay modes of the Z_0 , Higgs searches, toponium physics and the high energy phase. The underlying theories will be briefly described. The experimental requirements to achieve such a program will be examined.

Monday 6 May

CERN COLLOQUIUM

A TRIBUTE TO NIELS BOHR ON THE 100th ANNIVERSARY OF HIS BIRTHDAY

at 14.30 hrs – Auditorium*

Opening address

by Professor H. SCHOPPER / CERN-DG

Niels Bohr and the development of physics

by Professor A. PAIS / Rockefeller University

Niels Bohr and the creation of CERN

by Professor L. Van Hove / CERN

* Participants are cordially invited to a buffet in the COOP Cafeteria which will close this meeting.

Tuesday 7 May

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Search for the decay $\mu^+ \rightarrow e^+ e^+ e^-$

by H.-Ch. WALTER / Institut für Mittelenergiephysik, Villigen

Wednesday 8 May

LEP SEMINAR

at 14.30 hrs – LEP Auditorium (bldg 30, 7th fl.)

Relative luminosity monitors for LEP operation

by G. von HOLTEY / CERN-LEP

WORKSHOP ON

'PHYSICS IN THE 90'S AT THE SPS COLLIDER'
Zinal, 17-19 June 1985

At the Cogne III meeting of the SPS Committee in September 1984 the general guidelines for long term planning of the research at the SPS collider were discussed.

The experimental programme is essentially defined until 1989 following the first two years of operation of the new accumulator ACOL which provides a luminosity increase of about one order of magnitude. Upgrading the two detectors UA1 and UA2 in view of running with ACOL has already been approved. These technical improvements may hopefully lead to new exciting discoveries

after the successful search for the $W^\pm$ and Z^0 particles.

At the same time, however, the Tevatron collider at FNAL will start running with the general purpose CDF detector and after a few years the second detector DO will also be operational. This makes difficult any assessment of the collider programme for the 90's, and the SPSC felt it would be useful to have a Workshop to :

- review the physics perspectives
- discuss the potentialities of the SPS collider in view of the simultaneous operation of the Tevatron, LEP and HERA
- evaluate the need for a new detector against the approach of continuously upgrading the present detectors
- evaluate new technologies, which may influence future design.

It is clear that a large amount of work on the physics and on the techniques has to be done before the Workshop, its limited time being most efficiently used for collecting together the gathered information, confronting ideas and draw conclusions. Therefore three groups on physics subjects and a detector group have already been formed. These study groups and their respective conveners are :

1. Standard model ($W^\pm$, Z^0 , top quark) :
P. Minkowski, K. Winter
2. QCD : S. Ellis, W. Scott
3. New particles (Higgs, SUSY, ?) :
M. Albrow, D. Nanopoulos
4. Detector design :
L. Di Lella, J. Kirkby

Interested physicists should contact the conveners of the groups.

G. Matthiae will act as the convener of this Workshop.

Attendance will be limited to those willing to take an active part in the work of the study groups (about 100 attendees).

Correspondence

Apart from information concerning individual study groups, which, as indicated above should be addressed to the convener concerned, all correspondence concerning the Workshop should be addressed to :

Mme M. BUDEL / EF, tel. 4270.

TRAINING AND **EDUCATION** **ENSEIGNEMENT**

ENSEIGNEMENT GENERAL Tél. 2844

Jeudi 2 mai

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844-3364

6, 7, 8, 9 and 10 May

11.00 to 12.00 hrs – Auditorium

A short introduction to the theory of numbers

by R.F. CHURCHHOUSE / University College,
Cardiff

In this introductory course some of the key theorems and techniques of Number Theory will be presented. Long proofs of theorems will not be given but references will be provided.

INFORMATIONS

GENERALES

GENERAL INFORMATION

CAS ADVANCED ACCELERATOR PHYSICS COURSE

The Queen's College, Oxford, 16-27 September 1985

Application forms and further information concerning the above course are now available from the CAS Secretariat, c/o Mrs. S. von Wartburg, LEP Division.

Closing date for applications : 1 June 1985.

AUX UTILISATEURS DE CYCLOMOTEURS APPARTENANT AU CERN EQUIPES DE PLAQUES GE – ANNEE 1984

Les utilisateurs de cyclomoteurs doivent adresser avant le 6 mai, dernier délai, à P. BADOUX/Groupe Transports, SB, les documents suivants :

- permis de circulation gris,
- permis de circulation jaune,
- carte verte d'assurance,

afin de procéder au renouvellement des plaques pour l'année 1985.

Groupe Transports
Division SB

FILMS

* 'Les années particulières', un film de 22 minutes tourné en 1984 par le Service audio-visuel du CNRS lors du Cinquantenaire de la radioactivité artificielle, sera projeté

mardi 7 mai à 13.00 h et mercredi 8 mai à 13.30 h
à l'Amphithéâtre.

* After each of the above showings, the English version of a recent 42 minute programme on CERN made by Norwegian television will be projected.

Public Relations Service
Tel. 2722

Topics to be covered will include :

1. Primes, factorization; the arithmetic functions $\phi(n)$, $\mu(n)$, $d(n)$, $\sigma(n)$. Euclid's algorithm.
2. Linear congruences and systems of linear Diophantine Equations. Linear recurrences, the Fibonacci, Lucas and other numbers.
3. Fermat and Wilson Theorems. Finding large primes and factorizing large numbers.
4. The law of quadratic reciprocity; quadratic forms in 2 or more variables.
5. Representation of integers as sums of 2, 3 or 4 squares and allied problems.
6. Some unsolved problems.

PROCHAIN CONCERT

Jeudi 9 mai 1985 à 20 h

Grand Auditorium du CERN

Quartet Tarragó

Programme:

F. Guerrero	Madrigaux
J. Dowland	Trois danses
G.Ph. Telemann	Sonate à quatre
A. Vivaldi	Concerto en <i>do</i> majeur
I. Albéniz	Trois pièces
L.L. Balada	Sketches pour quatre guitares

Billets: Fr.12.- en vente uniquement le soir du concert dès 19h en fonction des places disponibles

N.B. Le nombre de places dans l'Auditorium étant limité, les abonnés susceptibles de ne pas venir à ce concert sont priés de le faire savoir, afin que d'autres personnes puissent bénéficier de leur place, en téléphonant à G. Adam/SPS, tél. 4813, recherche 13-4006. Merci.

REINTEGRATION – Sécurité sociale française

La prochaine permanence de la Sécurité sociale française aura lieu

jeudi 2 mai de 13.30 h à 15.30 h
salle de conf. n° 2, Dépt. PE, bât. 5, 1^{er} étage.

Les personnes intéressées sont priées de prendre rendez-vous en téléphonant au Secrétariat de la Section des Affaires sociales (tél. 4201).

Section des Affaires sociales
Département du Personnel

ON RECHERCHE...

La personne ayant enlevé la table-dactylo se trouvant dans le couloir du sous-sol du bâtiment 60, entreposée momentanément avec d'autres pièces de mobilier, est priée de bien vouloir la rapporter au Bureau 60 - 5-011.

D'avance merci.