

## LOGEMENT POUR LES VISITEURS D'ETE AU CERN

Quelques Attachés travaillant au CERN en été désirent venir accompagnés de leur famille.

Afin de les aider, le Service du Logement aimerait connaître les membres du personnel du CERN susceptibles d'être intéressés par la location de leur appartement ou de leur villa pendant tout ou partie de l'été.

Pour plus de renseignements ou des offres éventuelles, veuillez appeler le Service de Logement, tél. 4155.

Division du Personnel

## CIRCULAIRE ADMINISTRATIVE

La Circulaire administrative No 6 "LA MEDIATION" vient d'être révisée. Elle est publiée et disponible au SECRETARIAT DE VOTRE DIVISION.

Cette Circulaire réglemente la médiation "officielle". Mais, à côté de celle-ci, il en existe une autre, non formelle, fondée sur la bonne volonté et le désir de chacun d'éviter ou de résoudre les frictions qui surgissent inévitablement entre les membres d'une collectivité de plusieurs milliers de personnes vivant ensemble 8 heures par jour. Cette médiation est probablement la plus efficace et la Circulaire No 6 ne fait qu'organiser la dernière chance d'arriver "à s'arranger". Aussi la bonne volonté mentionnée ci-dessus continue-t-elle à être encouragée.

# **SEMINARS SEMINAIRES**

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## **MONDAY 11 MAY**

### ISR SEMINAR

at 14.30 hours - ISR Auditorium  
(top floor of Bldg. 30)

"Current status of the PEP storage ring"

by J. Rees / SLAC and Oxford

### EP SEMINAR

at 17.00 hours - Auditorium

"New results in Cherenkov ring imaging"

by T. Ypsilantis / Ecole polytechnique,  
Palaiseau

*Abstract: Recent measurements with a two dimensional read-out photoionization drift chamber as a detector of UV Cherenkov radiation produced by 5 to 20 GeV/c pions in argon gas will be presented. Ring images with about four photoelectrons per incident pion have been observed and fitted to obtain the velocity and direction of the pion. The resolution obtained will be compared to expectations. The photoionizing gas utilized was mainly TEA however some initial measurements with a new, lower threshold, gas TMAE will also be presented.*

## ACCOMMODATION FOR SUMMER VISITORS TO CERN

A certain number of Associates working at CERN in the Summer would like to bring their families with them.

In order to assist them, the Housing Service would like to know of any CERN staff members who are interested in letting their flat or house during the Summer period.

For further information or possible offers, please contact the Housing Service, tel. 4155.

Personnel Division

## ADMINISTRATIVE CIRCULAR

The Administrative Circular No. 6 "MEDIATION" has just been revised. It is published and can be obtained from your DIVISIONAL SECRETARIAT.

This Circular lays down the rules for "official" mediation. But alongside this, there is another form of mediation, which is informal and based on goodwill and a common desire to avoid and resolve the differences which inevitably arise between the members of a group of several thousand people, who spend 8 hours of the day together. This kind of mediation is probably the most effective and Circular No. 6 merely outlines a way of reaching agreement when all else has failed. Moreover, the goodwill mentioned above is still being encouraged.

## **TUESDAY 12, WEDNESDAY 13 AND THURSDAY 14 MAY**

### SPS EXPERIMENTS COMMITTEE

#### OPEN SESSION

at 09.00 hours - Auditorium

Agenda for the eighty-first meeting:

1. Introductory remarks by the Director general.
2. Status report on NA 2/NA 9 (Electromagnetic interactions of muons; Study of final states in deep inelastic scattering; F. Brasse).
3. Status report on NA 4 (Inclusive deep inelastic muon scattering and search for multimoon events; C. Zupancic).
4. Status report on WA 21 (High energy neutrino and antineutrino interactions in BEBC filled with hydrogen; G. Myatt).
5. Status report on WA 25 (Neutrino and Antineutrino interactions in BEBC filled with deuterium; A. Tenner).
6. Status report on NA 7 (Electromagnetic form factors of  $\pi$  and K-mesons; G.A. Beck).
7. Status report on NA 11 (Charmed particle production in hadronic reactions; R. Klanner).
8. Comparative study of angular and momentum correlations between and inside high energy jets (Calcutta-Lyon-Santander-Strasbourg collaboration; C. Jacquot; SPSC/81-30/P 161).

#### CLOSED SESSION

Wednesday 13 and Thursday 14, Conference Room, 6th floor, Admin. Bldg. The first session begins at 09.00.

## TUESDAY 12 MAY

### CERN COLLOQUIUM

at 16.30 hours - Auditorium\*)

"Chance and the laws of nature at the origin of life"

by D. Flamm / CERN and Vienna University

*Abstract:* If one lists all imaginable variations of living cells or just biological macromolecules, their number is so large that all the protons in our universe would not suffice to construct a prototype of each variety. The probability that the organisms living at present have been created by chance is vanishingly small. In performing this combinatorial enumeration, the laws of nature and the gradual evolution of life on the surface of our planet have however not been taken into account. If one follows the evolution of life from its molecular beginnings, one finds that the laws of physics and the environment reduce the number of possibilities drastically. The basis of biological evolution is a method of optimization which may also be used to solve complicated technical problems. In the course of this optimization once and for ever decisions are made such as the genetic code, which are common to all living organisms. The optimization method is illustrated with examples. In particular it is speculated how the genetic code may have evolved under the influence of deterministic factors.

\*) Those attending this colloquium are cordially invited to the Salle des Pas perdus (just outside the Council Chamber) at 16.00 hours to meet the speaker and for informal discussions. Tea and coffee will be provided.

## WEDNESDAY 13 MAY

### PRESENTATION TECHNIQUE

de 09h00 à 16h00 - Salle 1-007, bât. 17

ROCHELEC (F), représentant RCA (USA), propose en démonstration : Caméras TC 2014 18X, TC 1005 ONX, TC 1005 U02X, TC 1030 H10 et TC 1000 18X - optiques TC 1812 12,5 F 1,4, TC 1810 8,5 F 1,5 et V 12,5 F 1,4 - magnétoscope TC 3450 X - moniteur 2 X TC 1209 X - Horodateur TC 1440 BX - découpleur TC 1460 AX - détecteur de mouvement TC 1460 A/2X - commutateur séquentiel TC 1404 X, TC 1400 X, TC 1408 X et TC 1418 X - support de caméra 4 V 110 HNM. Applications générales : sécurité, recherche, mesure, surveillance, contrôle. Applications particulières : bas niveau de lumière, examen de phénomènes rapides ou stroboscopie, microscopes - matériels pour tout environnement : étanches, antidéflagrants, haute température, etc.

Langue : français

Renseignements : M. Diraison / FI / 4585

### ISOLDE SEMINAR

at 10.30 hrs - SC Conf. Room (Bât. 26, Room 1-025)

"Nuclear structure in the N=50 region"

by P. Hoff / Studsvik and CERN

*Abstract:* A description will be given of the fission product mass-separator OSIRIS in Studsvik, Sweden, and experiments performed to establish the

structure of neutron-rich nuclei in the N=50 region will be discussed. A brief description of the nuclear models applicable in the region will be given.

### THEORETICAL SEMINAR

at 14.00 hours - TH Conference Room

"The pomeron and hadrons through infra-red analysis of QCD"

by A. White / CERN

*Abstract:* Infra-red analysis of QCD in the Regge limit is argued to lead to confinement with chiral symmetry breaking. The Pomeron is found to depend strongly on the gauge group with SU(3) clearly favoured by experiment. Total cross-sections are predicted to rise asymptotically when QCD is saturated with quarks. Evidence will be presented that associated scaling laws are seen at present accelerator energies leading to strong predictions for  $p\bar{p}$  collider energies.

### CERN PARTICLE PHYSICS SEMINAR

at 16.30 hours - Auditorium\*)

"Proton decay experiment at Kolar gold fields"

by V.S. Narasimham / Tata Institute of Fundamental Research, Bombay

*Abstract:* A deep underground experiment has been in operation at K.G.F., India, since November 1980, with the specific aim of searching for bound nuclear decay at a sensitivity of  $10^{31}$  years. Preliminary results on the backgrounds and candidate events will be discussed.

\*) Those attending this seminar are cordially invited to the Salle des Pas perdus (just outside the Council Chamber) at 16.00 hours to meet the speaker and for informal discussions. Tea and coffee will be provided.

## THURSDAY 14 MAY

### SEMINAIRE SUR L'ENERGIE

à 16h30 - Amphithéâtre\*)

"L'importance du choix des filières nucléaires"

par M. Macaire / EDF et Université de Nanterre

*Résumé :* On fait souvent le reproche aux techniques nucléaires d'être onéreuses, polluantes, compliquées et dangereuses. De plus, elles épuisent rapidement nos ressources minières. Professeur à l'Université de Nanterre et Conseiller de l'EDF, le conférencier se propose d'exposer pourquoi certaines filières échappent à ce reproche. Tout spécialement, la filière à fluorures fondus permet de maîtriser ces difficultés. Elle est susceptible de ce fait de constituer une solution à la crise de l'énergie.

\*) Les personnes qui ont l'intention de suivre ce séminaire sont cordialement invitées à la Salle des Pas perdus (face à la Salle du Conseil) à 16h00 pour rencontrer et discuter avec le conférencier. Thé et café seront servis.

## MONDAY 18 MAY

### PS AND SC COMMITTEE

#### OPEN SESSION

at 09.00 hours - Council Room

Agenda for the eighteenth meeting:

1. Information from the Director General.
2. Status reports:
  - The SC programme (R. Neugart)
  - PS 161 Search for strongly bound states of the  $\bar{p}p$ ,  $\bar{p}d$  and  $\bar{p}$  (NN...) states (Basel-Karlsruhe-Stockholm-Strasbourg-Thessaloniki; L. Tauscher).
3. New proposals:
  - $\mu$ SR experiment under high pressure and low temperature (Grenoble CENG-Munich Tech. Univ.-Uppsala; PSCC/81-49/P46; 81-50/S46; M. Kalvius).
  - Measurements of total reaction cross-section with heavy ions at the SC (Grenoble DRF CENG and ISN; PSCC/81-38/P43; 81-39/S43; N. Longequeue).
  - Project of a gas jet target for LEAR (Karlsruhe; PSCC/81-26/P41; 81-27/S41; 81-45/M89; 81-46/M90; J. Gspann).
  - Study of the antiproton-proton system via  $\gamma$ -ray detection (Karlsruhe-Strasbourg; PSCC/81-47/P45; 81-48/S45; M. Suffert).
  - Experiment to measure  $\pi^\pm$ ,  $K^\pm$ , and  $p^\pm$  production from Be, Cu, and W targets by protons of 10, 18, and 24 GeV/c (CERN-Los Alamos-TRIUMF Vancouver; PSCC/81-42/P44; 81-43/S44; H.A. Thiessen).
  - A good statistics study of  $\bar{p}$  interactions with nuclei (Los Alamos; PSCC/81-51/P47; 81-52/S47; R. DeVries).

#### CLOSED SESSION

at 14.00 hours - Rooms A & C

### ISR SEMINAR

at 14.30 hours - ISR Auditorium  
(top floor of Bldg. 30)

"Sources of highly charged ions and their application to accelerators"

by N. Angerth / GSI, Darmstadt

followed by

"Possibilities for the PS"

by H. Haseroth / PS, CERN

### EP SEMINAR

at 17.00 hours - Auditorium

"Quark searches in bulk matter"

by Klaus O.H. Ziock / Univ. of Virginia

## TUESDAY 19 MAY

### CERN PARTICLE PHYSICS SEMINAR

at 16.30 hours - Auditorium

"Deciphering the structure of hadronic final states"

by G. Preparata / Univ. of Bari and CERN

## WEDNESDAY 20 MAY

### INTERSECTING STORAGE RINGS COMMITTEE

#### OPEN SESSION

at 09.30 hours - Council Chamber

1. Information from the Director General.
2. Status report from experiment R 608, large-X hadron physics and correlations with central region phenomena; P. Schlein.

#### CLOSED SESSION

at 11.15 hours - 6th floor Conference Room  
of Administration Building

## THURSDAY 21 MAY

### SEMINAIRE EUROMECANIQUE

at 14h30 - Salle du Conseil (Bât. 503)

Organisé par le Groupe de Standardisation électronique dans le cadre des sessions d'informations LEP

1. Raisons de l'introduction de la mécanique Europe au CERN - M. Mary / PS
2. Normes nationales et internationales concernées - L. Symons / FI
3. Avantages et limitations du système - J. Pett / ISR
4. Présentation de la présérie du nouveau standard - E. Kaufmann / PS

### CERN PARTICLE PHYSICS SEMINAR

at 16.30 hours - Theory Conference Room\*)

"Study of small angle  $\pi p$ ,  $pp$ , and  $\pi He$ ,  $pHe$  elastic scattering at high energies (NA8-experiment)"

by A. Vorobyov / Leningrad Nuclear Physics Institute and CERN

\*) Please note that this Seminar will not take place in the Auditorium

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### POUR INFORMATION / FOR INFORMATION

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## VENDREDI 15 MAI

### SEMINAIRE DU LAPP

à 10h30 - Amphithéâtre du LAPP

Laboratoire d'Annecy-le-Vieux de Physique des Particules, Chemin Bellevue, Annecy-le-Vieux (Haute-Savoie, France)

"Study of hadron final states in  $\nu$  interactions"

by H.J. Lubatti / University of Washington, Seattle, USA, and CERN

Renseignements complémentaires auprès de :  
M. Ch. Baglin/CERN/EP, tél. 4657, ou Laboratoire d'Annecy-le-Vieux, tél. (023) 23.32.45, int. 325.