

COMMUNICATIONS OFFICIELLES

Les membres du personnel sont censés avoir pris connaissance des communications officielles ci-après.

OFFICIAL NEWS

Members of the personnel shall be deemed to have taken note of the news under this heading

COMITE CONSULTATIF PERMANENT

La première partie de la réunion d'avril du Comité précité s'est tenue le jeudi 6 avril 1978.

Les documents (première série) qui seront présentés au Groupe de travail du Comité des Finances lors de sa prochaine réunion en juin ont été examinés en même temps qu'un document daté du 28 mars 1978, établi par l'Association du personnel sous le titre "Révision des Statut et Règlement du personnel". Une fois définitivement arrêté le texte de ces documents, des exemplaires seront mis à disposition pour consultation dans les Divisions et au Secrétariat de l'Association du personnel.

Le Groupe de travail chargé d'étudier la question des contrats de main-d'oeuvre temporaire a établi un rapport qui sera présenté à la Commission Exécutive lors de sa prochaine réunion et examiné au Comité Consultatif permanent le 19 avril.

Les plans d'un nouveau bâtiment destiné à améliorer l'installation du Poste des pompiers ont été établis et le projet sera soumis à la Commission Exécutive lors d'une prochaine réunion.

STATUT ET REGLEMENT DU PERSONNEL - FICHES D'INFORMATION

Un état récapitulatif des fiches d'information en service au 1er AVRIL 1978 est disponible auprès de VOTRE SECRETARIAT DE DIVISION.

J.F. Barthélemy
Tél. 2855

STANDING ADVISORY COMMITTEE

The first part of the April meeting of the above Committee was held on Thursday 6 April 1978.

The papers to be presented at the next meeting of the Finance Committee Working Group in June (first series) were discussed, in conjunction with a paper prepared by the Staff Association, dated 28 March 1978 "Révision des Statut et Règlement du Personnel". Once the text of the papers has been finalized, copies will be made available for consultation in Divisions, and the Staff Association Office.

The Working Group studying the question of Contract Labour has prepared a report which will be presented to the next Executive Board and discussed at the Standing Advisory Committee on 19 April.

Plans for a new building, designed to improve the accommodation available to the Fire Brigade, have been drawn up, and the project will be presented to a future Executive Board.

STAFF RULES AND REGULATIONS - INFORMATION SHEETS

A list of Information Sheets in force as of 1st APRIL 1978 is available at YOUR DIVISION SECRETARIAT.

J.F. Barthélemy
Tel. 2855

SEMINARS SEMINAIRES

MONDAY 17 APRIL

EP SEMINAR

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

"Systematic study of the production of
($K\pi$)⁺ and ($K\bar{K}$)⁺ resonances"

by C. Nef / University of Geneva

Abstract: High statistics data have been taken with a two-arm spectrometer at 10 GeV/c, and are being taken at 50 GeV/c. These data allow the study of the production amplitudes as a function of mass, of momentum-transfer, of energy and of beam polarity.

We present results obtained at 10 GeV/c on: i) high mass $J^P = 3^-$ and 4^+ resonances; ii) production mechanism of the 1^- and 2^+ states, in particular the role of pomeron exchange; and iii) a possible $\delta'(1300)$ state under the A_2 .

TUESDAY 18 APRIL

CERN COLLOQUIUM

at 16.00 hrs - Auditorium(*)

"High energy phenomena on the solar surface"

by C. Chiuderi / Institute of Astronomy,
Florence

Abstract: The outer portion of the sun is known to be the seat of several high-energy phenomena. This complex activity is observed over the whole electromagnetic spectrum, from radio wavelengths to gamma rays. Fluxes of energetic particles are also associated with the above activity. Our present status of knowledge and understanding of solar high energy phenomena is reviewed, with special emphasis on solar flares. The relevance of solar flare studies to the rest of astrophysics and to laboratory plasma experiments is also discussed.

(*) Note : Those attending this seminar are cordially invited to the Salle des Pas Perdus (just outside the Council Chamber) at 15.30 hrs to meet the speaker and for informal discussion. Tea and coffee will be provided.

TECHNICAL PRESENTATION

9.00 - 12.30 hrs

EF Conference Room, Bldg. 13, F-2/CERN plan,
2nd floor, No 2-005

RETICON (USA), represented by INDUSTRAL AG (CH), organize a seminar on Solid state image sensors and Cameras based on the mentioned devices:
09.00-10.00 hrs: Solid state image sensors - Technologies: MOS-capacitors (CCD) and photodiodes as image sensors - Performance characteristics of solid state image sensors. 10.00-10.30 hrs: Array demonstration. 10.30-11.15 hrs: Linear image sensors - Matrix arrays/custom arrays - Array applications. 11.15-12.00 hrs: Solid state line scan cameras - Camera applications. 12.00-12.15 hrs: Film about Reticon system. 12.15-12.30 hrs: Camera demonstration.

Language: English

Information: Mr. Diraison / FI / 4585

WEDNESDAY 19 APRIL

TECHNICAL PRESENTATION

9.00 - 12.30 hrs

EF Conference Room, Bldg. 13, F-2/CERN plan,
2nd floor, No 2-005

RETICON (USA), represented by INDUSTRAL AG (CH), organize a seminar on Discrete time analog signal processing devices: 09.00-10.00 hrs: Introduction to charge transfer devices - Technologies - Comparison of Bucket Brigade - Devices and charge coupled devices - Performance characteristics of charge transfer devices. 10.00 hrs: Discussion. 10.30-11.30 hrs: Sampled Data Signal Processing devices - Introduction to discrete time analog signal processing - Delay lines - Tapped delay lines - Transversal filters - Special CTD's. 11.30-12.00 hrs: Applications and product demonstrations - Transversal filters/field programmable with tapped delay lines - Transversal filters/mask programmable in split electrode technique. 12.00-12.30 hrs: The discrete Fourier Transform for real time spectral analysis with the Chirp-Z-Transform algorithm, using CCD transversal filters.

Language: English

Information: Mr. Diraison / FI / 4585

ESO ASTROPHYSICS SEMINARS

14.00 hrs - 15.00 hrs - DD Conference Room
(Bldg. 31, 3rd floor)

"The Masses in, around, and between Galaxies"

(Three lectures on the problem, "Where is the Mass of the Universe?")

by Ivan R. King, Visiting Associate,
European Southern Observatory and
Professor of Astronomy, University of
California, Berkeley

WEDNESDAY, APRIL 19

Elliptical Galaxies and Their Dynamics

THURSDAY, APRIL 20

Motions in Spiral Galaxies; and the Dynamics
of Galaxy Pairs

FRIDAY, APRIL 21

Clusters of Galaxies and the Problem of
"The Missing Mass"

Abstract: One of the fundamental quantities of cosmology is the mass density of the universe, which can be investigated through studies of the dynamics of galaxies. Four separate areas of attack are random motions of stars in elliptical galaxies, internal rotations in spiral galaxies, relative velocities in pairs of galaxies and random motions of galaxies in clusters. In each case the motions act as tracers of the gravitational field, from which the mass density can be deduced. These dynamical studies will be reviewed, along with the evidence for a considerable amount of mass surrounding the galaxies or even in the space between them.

THURSDAY 20 APRIL

CERN ENERGY SEMINAR (General level)

à 16h00 - Salle du Conseil(*)

"Conversion biologique de l'énergie solaire"

par P. Chartier / INRA, Versailles

Résumé : Il y a des millions d'années, la photosynthèse a fourni les matières végétales qui, une fois transformées, ont donné le pétrole, le charbon et le gaz naturel que nous utilisons aujourd'hui comme source d'énergie ou comme matière première industrielle. L'épuisement prévisible de ces combustibles fossiles nous conduit à rechercher de nouvelles solutions. Au cours de cette démarche, il était inévitable que l'on se penche à nouveau sur la photosynthèse, phénomène à la base de la conversion biologique de l'énergie solaire.

(*) Note: Les personnes qui ont l'intention de suivre de séminaire sont cordialement invitées à la Salle des Pas Perdus (face à la Salle du Conseil) à 15h30 pour rencontrer et discuter avec l'orateur. Thé et café seront servis.

FRIDAY 21 APRIL

DISCUSSION MEETING

at 16.00 hrs - Auditorium

"Baryonium: two nucleons, four quarks or what else?"

by Chang Hong-Mo / Rutherford Laboratory
B. French / CERN
F. Myhrer / Nordita

Abstract: Narrow nucleon antinucleon structures have been interpreted either as quasi-nuclear states or as four quark composites. Does anyone of these interpretations stand a chance?

MONDAY 24 APRIL

EP SEMINAR

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

"Some results from 2 FNAL broad band
(anti)neutrino-neon experiments"

by H.H. Bingham / Berkeley

Abstract: Further analysis of the E 546 4-lepton event will be discussed, also E 172 results on di-lepton production by neutrinos and antineutrinos, on μ -e universality tests and on the hadron systems produced in $\nu(\bar{\nu})$ -Ne interactions

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
(top floor of Building 30)
"Stochastic Cooling"
by F. Sacherer / ISR

CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - TH Conference Room
"Pion condensation in finite nuclei?"
by J. Meyer-ter-Vehn / Institut für
Kernphysik, Jülich

TUESDAY 25 APRIL

CERN COLLOQUIUM

at 16.00 hrs - Auditorium
"Success and failure in mathematical physics"
by W. Thirring / Vienna University

WEDNESDAY 26 APRIL

DD SEMINAR

at 16.00 hrs - DD Amphitheatre,
(Bldg. 31 - 3rd floor)
"New computer control languages - can they
be simple and yet powerful?"
by P.T. Jensen

THURSDAY 27 APRIL

CERN PARTICLE PHYSICS SEMINAR

at 16.00 hrs - Auditorium
"The triggered bubble chamber technique and
its application to line reversal tests in
hyper-charged exchange reactions and direct
electron production in πp collisions"
by P. Dornan / Imperial College, London

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POUR INFORMATION / FOR INFORMATION

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VENDREDI 21 AVRIL

SEMINAIRE DU LAPP

à 10h30 - Amphithéâtre du LAPP

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

"Le projet européen d'anneaux de collisions
 e^+e^- (L.E.P.)"

par M. Vivargent / LAPP

*Résumé: Sur la recommandation de l'ECFA, le CERN
a étudié un projet spécifique d'anneaux de colli-
sions e^+e^- (LEP 70) dont les caractéristiques se-
ront données. L'organisation générale des études
concernant l'ensemble du projet LEP sera également
présentée.*

Renseignements complémentaires auprès de H. Pessard/
CERN-EP, Tél. 6526, ou Laboratoire d'Annecy-le-Vieux,
Tél. (023) 23.32.45

TRAINING AND EDUCATION ENSEIGNEMENT

(Secrétariat : Tél. 2844)

JEUDI 20 AVRIL

ENSEIGNEMENT GENERAL

de 13h00 - 13h30 - Amphithéâtre
"Science pour Tous", par R. Carreras

WEDNESDAY 26 APRIL

16h00 - Auditorium
"General Science Monthly Cross-Section"
by R. Carreras

INFORMATIONS

GENERALES

GENERAL INFORMATION

ENVELOPPES DE CIRCULATION INTERNE

Si vous avez des surplus d'enveloppes de cir-
culation interne, veuillez les rendre au Bureau
du Courrier qui se charge de les collecter et de
les redistribuer.

Pour que ces enveloppes vides soient facile-
ment identifiables, veuillez les regrouper et les
attacher en liasses. Merci d'avance.

Bureau du Courrier / 2794

NOTE IMPORTANTE DU SERVICE DE SECURITE DU SITE

Il arrive assez fréquemment que de petits
débutants d'incendie soient éteints sans le concours
des pompiers.

Dans ces cas-là, les personnes concernées
sont instamment priées d'aviser immédiatement le
Service de Sécurité du Site (tél. 4444) afin que
les extincteurs utilisés puissent être rechargés.

Division HS

IMPORTANT NOTICE FROM THE SITE SECURITY SERVICE

Quite often, small fires are extinguished
without the help of the Fire Brigade.

Would those persons who help us in this way
please inform the Site Security Service (tel. 4444)
in order to enable the Fire Brigade to recharge
the extinguishers used.

HS Division