

pour travailler pendant cette période. Les règles appliquées en matière de compensation ou de rémunération d'un tel travail seront les suivantes :

- Le travail effectué entre Noël et le Nouvel-An sera considéré comme service normal de dimanche ou de jour férié.
- Les personnes appelées à travailler une journée normale n'auront pas de déduction de congé pour la journée en question et recevront la majoration prévue pour heures de dimanche, soit 75%.
- Les personnes désignées pour assurer un service de piquet n'auront pas de déduction de congé pour les jours en question et recevront l'indemnité, fixée selon le barème du dimanche, pour 16 heures par jour. En cas d'intervention au CERN, ces personnes recevront la majoration prévue pour heures de dimanche (soit 75%) pendant la durée de l'intervention (majorée d'une heure).
- Les personnes appelées à travailler plus de 8 heures par jour seront rémunérées au taux des heures supplémentaires de dimanche pour les heures effectivement supplémentaires effectuées.
- Les personnes travaillant par roulement auront leurs heures majorées au taux normal du dimanche.

Cette procédure sera également appliquée, à titre exceptionnel, au 2 janvier 1981, tant par majoration au taux du dimanche du travail effectué, que pour l'attribution d'un jour de congé supplémentaire de compensation aux personnes qui travaillent normalement, ou par roulement, ou encore qui sont désignées pour assurer un service de piquet.

Division du Personnel / Tél. 3238

SEMINARS SEMINAIRES

MONDAY 1 DECEMBER

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
(Top floor of Building 30)

"On the numerical solution of Maxwell's equations"

by T. Weiland / ISR

Abstract : The seminar will cover applications of the numerical solution of Maxwell's equations to the following cases :

- 3-dimensional magnetostatic and electrostatic fields,
- 3-dimensional eddy currents in laminated and solid metals
- high frequency resonators and lossy waveguides
- transient fields of moving charges
- scattering problems.

A film will be shown of the transient fields excited by a bunch in three different cavities, and at a beam tube discontinuity.

this period. The rules covering the compensation for such work are as follows :

- Work performed on the days between Christmas and New Year will be considered as normal services performed on a Sunday or public holiday.
- Those who work a normal day will have no leave deducted for the day in question and will be granted the supplement for Sunday work (i.e. 75%).
- Staff nominated for stand-by duty will have no leave deducted for the days in question and will receive the Sunday "stand-by" rate for 16 hours per day. In case of emergency work at CERN, they will be granted the supplement for Sunday work (i.e. 75%) for the duration of the emergency work (increased by one hour).
- Staff who have to work more than 8 hours per day will be paid the Sunday overtime rate for the additional hours.
- Staff working shifts on these days will be paid at the normal Sunday rates.

The above practice will be applied, exceptionally, to 2 January 1981, by payment of the supplement allowed for work performed on Sunday and the granting of a day's leave in compensation to those who work normally or shifts, or who are nominated for stand-by duty.

Personnel Division / Tel. 3238

EP SEMINAR

at 17.00 hrs - Auditorium

"Physics with LEAR"

by P. Lefèvre / CERN and

H. Poth / Kernforschungszentrum, Karlsruhe

Abstract : The low energy antiproton machine LEAR is briefly introduced. The experimental possibilities are then outlined and particular aspects of the low energy antiproton interaction are discussed.

WEDNESDAY 3 DECEMBER

PRESENTATION TECHNIQUE

09h00/16h00 - Salle 2-005, Bât.13
(D2 plan CERN Meyrin)

WINCHESTER ELECTRONICS/LITTON (D) propose un exposé (9h00/11h00) : 1) présentation des connecteurs indirects d'après norme DIN 41 612 versions B, C, D, E et M avec toutes les possibilités de raccordements et les exemples d'applications; 2) technique d'insertion sans soudure "C-Press" dans le fond de panier par exemple; 3) version M avec contacts coaxiaux 50 Ω , courant élevé jusqu'à 30 A, HT de 3,8 kV, contacts à fibres optiques.

Langue : Anglais.

Renseignements : M. Diraison / FI / 4585.

WEDNESDAY 3 DECEMBER

ISR COMMITTEE

I. Open Session

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at 9.30 hrs - Council Chamber

1. Information from the Research Director-General, L. Van Hove.
2. Status report from Experiment R 421, Comparison of pp and e^+e^- interaction, spokesman A. Zichichi.
3. Review of Alpha-Alpha and Alpha-Proton data at the ISR.

Experiments which took data during the α -runs at the ISR last July will give brief status reports to describe the physics they hope to obtain.

II. Closed Session

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at 11.15 hrs - A+C Conference Room
(1st floor - Bldg.61)

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

"Search for a new boson of spin 1"

by P. Fayet / ENS - Paris

Abstract : Spontaneously broken supersymmetric theories involve new neutral gauge bosons which might be very light. We study how it could modify neutral current phenomenology and how it could be produced in various experiments such as e^+e^- annihilation and K and ψ decays.

DD SEMINAR

at 16.00 hrs - DD Auditorium
(Bldg.31 - 3rd floor)

"Data Processing Standards for High Energy Physics"

by E. Lillestøl, Univ. of Bergen and
E.M. Rimmer, DD-CERN

Abstract : High Energy Physics experiments are increasing in size and complexity and involve ever larger teams of physicists, engineers and programmers. To provide all members of the HEP community with opportunities for active collaboration, easy distribution of work between home institutes and central laboratories must be possible. Minimum requirements are a basic framework of working conventions and standards, and easy access to information on methods, techniques and expertise found throughout the community. ECFA has asked a Working Group on Data Processing Standards to study areas in which present and future conventions can be established and publicized. The aims and status of this group will be presented, with the intention of stimulating wider participation.

THURSDAY 4 DECEMBER

ISR DISCUSSION MEETING *

at 13.30 hrs ** - ISR Auditorium

The purpose of this meeting is to review and discuss present information about direct photon production at large p_t . Introductory talks will be given by :

P. Mouzourakis (R806), an inclusive direct photon production;

W. Molzon (R806/807), on correlations involving a direct photon;

L. Camilleri (R110), on prompt photon production and correlations, and

R. Horgan, who will review theoretical models of prompt photon production.

This announcement is sent to contact persons only. Please post it or circulate it. For questions or comments, please contact M. Albrow (5924) or M. Jacob (2414).

The following meeting will be on $\alpha\alpha$ and αp interactions at ISR energies. It will be held in the same place on Thursday 22 January 1981.

* This is the continuation of the ISR discussion meetings which were held on a regular basis from 1972 to 1977.

** Note the early start. This is exceptional and is in order to finish the meeting by 16.00 hrs to avoid clashing with the seminar by M. Goldhaber on that day.

PRESENTATION TECHNIQUE

14h00/17h00 - Amphithéâtre DD
3ème étage, Bât.31 (G3 plan CERN Meyrin)

DIGITAL EQUIPMENT CORPORATION SA et son distributeur MOOR AG (USA/CH) proposent une présentation sur le thème : Evolution of micro computers and display the DEC LS1 family of products. Exposé de 45 minutes suivi d'exposition de matériel.

Langue : Anglais.

Renseignements : M. Diraison / FI / 4585.

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *)

"50 Years of Neutrinos"

by M. Goldhaber / Brookhaven Nat. Lab.

Abstract : On December 4, 1930 Wolfgang Pauli addressed an "open letter" to Lise Meitner and others attending a physics meeting, suggesting the neutrino as a way out of the difficulties confronted in beta ray research, especially by the existence of a continuous beta spectrum. He proposed a new particle later called the neutrino. The prehistory leading up to Pauli's letter will be reviewed, as well as the later discovery of the electron-neutrino followed by the muon-neutrino. There are now believed to be three different types of neutrinos and their anti-particles. Neutrinos have a spin 1/2; but only one spin component has been found in Nature :

neutrinos go forward as "left-handed" screws and antineutrinos as "right-handed" ones. A question still not convincingly resolved today is whether neutrinos have a mass different from zero and, if they do, what consequences this would have for the behaviour of neutrinos and for cosmology.

*) Note : 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.

MONDAY 8 DECEMBER

EP SEMINAR

at 17.00 hrs - Auditorium
"The observation of single photons at the ISR"
by J. Yelton / Oxford

WEDNESDAY 10 DECEMBER

DD SEMINAR

at 16.00 hrs - DD Auditorium
(Bldg.31 - 3rd floor)
"On-line Data Processing and Data Reduction at PETRA Experiments"
by M.-J. Schachter / DESY, Hamburg

THURSDAY 11 DECEMBER

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium
"Recent Results in Intermediate Energy Pion-and Proton-Nucleus Inelastic Scattering at Los Alamos"
by H.A. Thiessen / LAMPF, Los Alamos, and CERN

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POUR INFORMATION / FOR INFORMATION

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VENDREDI 5 DECEMBRE

SEMINAIRE DU LAPP

à 10h30 - Amphithéâtre du LAPP
Laboratoire d'Annecy-le-Vieux de Physique des Particules, chemin de Bellevue, Annecy-le-Vieux (Haute-Savoie, France)

"Oscillations neutrino : la réponse viendra-t-elle des réacteurs ?"
par H. Pessard / LAPP

Résumé : On fera le point sur les indications possibles d'oscillations de neutrino et on discutera particulièrement les expériences utilisant les réacteurs et le projet de mesure de la réaction $\bar{\nu}_{ep} \rightarrow n e^+$ au réacteur du Bugéy.

Renseignements complémentaires auprès de :
H. Pessard/CERN/EP, Tél. 6526, ou Laboratoire d'Annecy-le-Vieux, Tél. (023) 23.32.45, int. 327.

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

MONDAY 1, WEDNESDAY 3 AND FRIDAY 5 DECEMBER

ACADEMIC TRAINING (Tel. 2844)

- at 11.00 hrs - Auditorium
"Particle detection"

Monday 1 December : Lecture 4

"Avalanche growth and the proportional counter action",
by F. Sauli

Wednesday 3 December : Lecture 5

"Fundamentals of multiwire proportional and drift chambers operation",
by F. Sauli

Friday 5 December : Lecture 6

"Particle identification",
by G.W. Fabjan

- at 11.00 hrs - Auditorium
"Particle detection"

December 8 : Lecture 7, by G.W. Fabjan
December 10 : Lecture 8, by G.W. Fabjan
December 12 : Lecture 9, by G. Fischer.

JEUDI 11 DECEMBRE

ENSEIGNEMENT GENERAL (Tél. 2844)

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

INFORMATIONS **GENERALES** **GENERAL INFORMATION**

SOCIETE DE BANQUE SUISSE

Avis à l'intention de nos clients détenteurs de cartes EUROCHEQUE

Nous prions nos clients détenteurs de carte EUROCHEQUE de bien vouloir se présenter, munis d'une pièce d'identité, à nos guichets (Bâtiment de l'Administration) aux fins du renouvellement de leur carte, dès le 1er décembre 1980.