

9. Report on the ECFA-CERN 'Software Workshop' (R. Böck)
10. Present and Future Activities of the ECFA Working Groups on Data Handling and Processing (E. Lillestol)
11. Long-range Computing Policy at CERN (E. Gabathuler)
12. Dates of ECFA Meetings in 1983
13. Any Other Business

NB : The meeting is expected to last until 5 p.m.

Monday 6 December

EF SEMINAR

at 11.00 h - bldg. 13, 2-005

The LEP experiments

by H. HOFFMAN / CERN-EP

Tuesday 7 December

DD COLLOQUIUM

at 14.00 hrs - Council Chamber

ALBIS-ECS 5800 Document

by J.M. CROSSENACHER / Siemens-Albis
and S. TIETZE / Siemens AG, Munich

TRAINING AND

EDUCATION

ENSEIGNEMENT

ACADEMIC TRAINING

Tel. 2844

Tuesday 30 November and Wednesday 1 December

Particle detectors -
lectures 5 and 6 in a series of 8

at 11.00 hrs - Auditorium

Ring-imaging Cherenkov counters (in French)

by J. SEGUINOT / Ecole Polytechnique,
Palaiseau

The techniques used for the detection of UV radiation will be presented and their applications to the ring-imaging Cherenkov (RICH) counters discussed. The focused and proximity-type counters will be studied, and the analysis of their theoretical limits compared with the experimental results. Finally, the study of RICH counters for the LEP programme will be presented as an illustration of their possibilities for particle identification.

Thursday 2 December and Friday 3 December

Particle detectors -
lectures 7 and 8 in a series of 8

at 11.00 hrs - Auditorium

Silicon semiconductor detectors

by H. HEIJNE / CERN

Semiconductor particle detectors find widespread use in nuclear research but they are not often used in high-energy physics experiments. New developments in detector technology and new requirements in high-energy physics may change this situation. Using the technology developed for large scale integrated circuits, it has become possible to construct silicon detectors of fairly large size, with a spatial resolution approaching a few micrometres. Newly designed high speed electronics enable these microstrip detectors to deal with high multiplicity events in beams with intensity over 10^7 per second. The lectures will provide an introduction to semiconductor detectors and some recent applications of silicon microstrip detectors will be discussed.

ENSEIGNEMENT GÉNÉRAL (Tél. 2844)

Jeudi 2 décembre

de 13.00 h à 13.30 h - Amphithéâtre

Science pour tous -

par R. CARRERAS

ENSEIGNEMENT

Secretarial Development

The Educational Services intend to organize in early 1983 a 3 day course on Secretarial Development, covering such areas as team work in the office, human relations, and the impact of new technology on the secretary's role.

The course will be given by Ninen Charvet from the 'International Training Consultants' Group, organizers of training activities for various European Institutions.

Any secretary who would like more information should phone to :

M. Pincott 3674 (mornings only)

E. Fischer 5811

J. Huguenin 3364

for an appointment with the course organizers.

INFORMATIONS

GENERALES

GENERAL INFORMATION

BD, CARTES DE VOEUX ET POSTERS...

sont en vente les

jeudi 2 et mercredi 8 décembre
de 11.30 h à 14.30 h

près du kiosque à journaux dans le hall du Bâtiment administratif.



Service de documentation

A tous les membres du personnel titulaires

MOBILITÉ INTERNE

Le recrutement interne a été autorisé pour les postes suivants vacants :

I - PROJET LEP

- SECRÉTAIRE - (SPS) LEP-IN

Assurer le secrétariat du groupe Installations du Projet LEP. Exécuter des travaux administratifs, de bureau et de secrétariat. Tenir l'agenda des rendez-vous du chef de groupe et organiser des réunions internes. Corriger et dactylographier divers rapports; rédiger d'après des instructions verbales ou des notes sommaires et dactylographier de la correspondance et des mémoranda en anglais ou en français à l'aide d'un éditeur de texte. Tenir à jour le classement du bureau. Etre chargé de la réception et de l'expédition du courrier. Recevoir les visiteurs et répondre aux appels téléphoniques.

Si vous désirez en savoir davantage concernant les possibilités d'emploi dans le domaine ci-dessus, veuillez vous mettre en rapport avec S. AMDAL, (int. 4125), Coordinateur du Personnel LEP.

II - PROJET LEP 2^e PUBLICATION

- TECHNICIEN - Niveau BT/BTS en électronique (SPS) LEP-CO/1

Participer à la conception, développement, test, installation et maintenance des équipements électroniques pour le bus utilisé pour le contrôle des équipements LEP. Réaliser des programmes et des systèmes de test pour ces équipements. Collaborer avec les spécialistes des divers groupes pour assurer la connexion de leurs équipements au système de contrôle de LEP.

Le candidat participera également à l'amélioration, maintenance et service de piquet du système de contrôle SPS.

L'expérience d'un langage haut niveau pour des applications de contrôle et de langages assembleurs pour microprocesseurs est requise. Le candidat devra avoir l'expérience de la conception d'interfaces de périphériques et de systèmes à microprocesseurs.

- TECHNICIEN - niveau BT/BTS en électronique (SPS) LEP-CO/2

Participer à la conception, développement, test, installation et maintenance des équipements électroniques destinés au système de synchronisation de l'accélérateur LEP. Le candidat étudiera des modules électroniques et assistera les utilisateurs du système de synchronisation pour le contrôle de leurs équipements.

Le candidat participera également à l'amélioration, maintenance et service de piquet du système de contrôle SPS.

L'expérience d'un langage haut niveau pour des applications de contrôle et la conception de modules électroniques digitaux est requise. La connaissance des systèmes à microprocesseurs et d'un langage assembleur est souhaitable.

To all Staff Members

INTERNAL MOBILITY

Internal recruitment has been authorized for the following posts vacant in

I - LEP PROJECT

- SECRETARY - (SPS) LEP-IN

To serve as Group secretary to the Installations Group of the LEP Project. To perform administrative, clerical and secretarial duties; to keep a diary of the Group Leader's commitments and arrange internal meetings, to correct and type reports; to compose and type correspondence and memoranda in English and French based on brief verbal instruction or notes using a text processor. To keep office files and records up-to-date. To handle incoming and outgoing mail. To receive visitors and telephone calls.

If you wish to know more about job opportunities in the above area, please contact S. AMDAL, LEP Staff Coordinator (Ext. 4125).

II - LEP PROJECT 2nd PUBLICATION

- TECHNICIAN - OND/HND level in electronics (SPS) LEP-CO/1

To participate in the design, development, testing, installation and maintenance of electronic equipment for the bus used for the control of LEP equipment. To write test programs and implement test systems for the multidrop bus equipment. To collaborate with the specialists of the various groups for ensuring proper interconnection of their equipment to the LEP control system.

The candidate will also take part in the improvement, maintenance and piquet service of the SPS control system.

Experience in high level language for control applications and microprocessor assembly language is required. The candidate should have experience in the design of peripheral interfaces and microprocessor systems.

- TECHNICIAN - OND/HND level in electronics (SPS) LEP-CO/2

To participate in the design, development, testing, installation and maintenance of electronic equipment for the LEP timing system. The candidate will design electronic modules and assist users of the timing system for the control of their equipment.

The candidate will also take part in the improvement, maintenance and piquet service of the SPS control system.

Experience in high level language for control applications and in the design of digital electronic modules is required. The knowledge of microprocessor systems and assembly language is desirable.

- TECHNICIEN - niveau BT/BTS en électronique (SPS) LEP-CO/3

Participer au développement, installation et maintenance des équipements électroniques pour les bus série multi-point utilisés pour le contrôle de LEP et SPS. Prendre en charge la maintenance des équipements analogiques haute précision et digitaux destinés au système MPX du SPS.

Le candidat participera également à l'amélioration, maintenance et service de piquet du système de contrôle SPS.

L'expérience d'un langage haut niveau pour des applications de contrôle et la connaissance des techniques analogiques haute précision est souhaitable. Le candidat devra avoir l'expérience de la conception des équipements électroniques digitaux.

Si vous désirez en savoir davantage concernant les possibilités d'emploi dans le domaine ci-dessus, veuillez vous mettre en rapport avec S. AMDAL, (int. 4125), Coordinateur du Personnel LEP.

III - PERSONNEL 2^e PUBLICATION

- ASSISTANTE OU
EMPLOYÉE ADMINISTRATIVE (Personnel)*
PE-PM

**) Le titre et le grade seront déterminés en fonction de la formation et de l'expérience de la candidate choisie.*

Fonctions :

Exécuter des travaux administratifs et de secrétariat pour l'Administrateur du Personnel en charge du projet LEP au sein des Services du Personnel.

Les tâches, bien que non limitatives, se rapportent au recrutement, à la sélection de personnel, aux transferts, aux statistiques du personnel ainsi qu'aux tâches d'ordre général faisant partie des activités d'un service du personnel.

Une excellente connaissance de l'anglais et du français est essentielle.

Si vous désirez en savoir davantage concernant ce poste, veuillez vous mettre en rapport avec Mme M.E. WADDUP (tél. 2146).

SITE DE PRÉVESSIN CIRCULATION ROUTIÈRE

Route d'accès du parking situé le long de la façade côté Salève (Sud-Est) du bâtiment 867. Travaux de génie-civil pour la pose d'une canalisation enterrée.

Cette route et le parking seront fermés et donc inaccessibles à la circulation du 29 novembre au 23 décembre 1982.

Les usagers devront se conformer à la signalisation provisoire mise en place.

Division SB / Groupe AS

- TECHNICIAN - OND/HND level in electronics (SPS) LEP-CO/3

To participate in the design, development, testing, installation and maintenance of electronic equipment for the serial multidrop busses used for the control of LEP and SPS. Take in charge the maintenance of digital and high precision analog equipment of the SPS-MPX system.

The candidate will also take part in the improvement, maintenance and piquet service of the SPS control system.

Experience in high level language for control application and the knowledge of high precision analog techniques is desirable. The candidate must have experience in the design of digital electronic equipment.

If you wish to know more about job opportunities in the above area, please contact S. AMDAL, LEP Staff Coordinator (Ext. 4125).

III - PERSONNEL 2nd PUBLICATION

- ADMINISTRATIVE CLERK OR
ASSISTANT (Personnel)* PE-PM

**) Title and grade will depend upon the qualifications and experience of the candidate selected.*

Assignment :

To perform administrative/secretarial duties in the office of the Personnel Officer assigned to the LEP Project, within the context of Personnel Management Services.

The duties entail, but are not limited to, matters related to recruitment, selection, transfers, manpower statistics and general subjects within the activities of Personnel Management.

Fluency in both English and French is essential.

If you wish to know more about this post, please contact Mrs. M.E. WADDUP (ext. 2146).

FORTRAN OPTIMIZATION

The new book 'FORTRAN OPTIMIZATION' by M. Metcalf/DD is now on sale for a limited period at the special price of 45 S.fr. at the Coop and Tortella kiosks. As well as optimization, it also deals with computer architecture, compiler techniques, portability, vector processors and FORTRAN 8 x.

PRÉVESSIN SITE NOTICE OF ROAD WORKS

This concerns the access road to the car park in front of the south-east side of Building 867 (facing the Salève).

Because of pipe-laying operations the above road and car park will be closed to traffic from 29 November to 23 December 1982.

Road users are requested to obey the temporary road signs.

SB Division / AS Group

The 1982 Nobel Physics Prize. Conference on new accelerator techniques at Oxford. Twenty-fifth anniversary of Nordita at Copenhagen. Making the most of the remaining time available at the ISR. All this and much more.

Available from the beginning of December at :

- Publications Section
- Divisional Secretariats
- Central and SPS Libraries.



SPS FIXED TARGET WORKSHOP

Monday 6 to Friday 10 December 1982

Coming Activities of the Working Groups

29 November at 09.00 hrs (Bldg. 892, 1-A02 (Prévessin))

Hadron physics – D. Treille
F. Costantini : Prompt γ

30 November at 10.30 hrs (Bldg. 1, 1-025)

Hadron physics – D. Treille
K. Freudenreich : Dimuon

A notice board has been placed in the EP corridor (Bldg. 4) next to the Xerox machine. There you will find up-to-date information on meetings in connection with the workshop. Notices are also being put up on the notice boards in Bldg. 892.

TENTATIVE PROGRAMME

	6 December	7 December	8 December	9 December	10 December Summary day	
9.00	Introduction FNAL: programme and plans					9.30
10.15 10.30	Working groups meetings	Working groups meetings	Neutrino physics	Hadron physics	J.J. Aubert D. Haidt L. Foà	12.30
13.00 14.00	Working groups meetings	Muon physics and structure functions	New particles and decays	Nuclear beams and targets	D. Treille W. Willis A. De Rujula General discussion	14.00
18.00						18.00

► Registration on Sunday, 5 December 15.00–20.00 hrs.

Monday, 6 December*Plenary session* 9.00–10.15 hrs.

9.00– 9.15	Opening remarks	H. Schopper
9.15–10.15	FNAL scientific programme and plans	T. Yamanouchi K. Stanfield

Working groups meetings 10.30–13.00 and
14.00–18.00

Tuesday, 7 December*Working groups meetings*

9.00–13.00 hrs.

Plenary session 14.00–18.00

Muon physics, structure functions.
hadronic final states (μ and ν experiments)
J.J. Aubert

Structure functions	F. Eisele
Electroweak asymmetry	A. Benvenuti
Hadronic final states in μ experiments	H. Montgomery
Hadronic final states in ν experiments	A. Tenner
Theory	K. Gaemers

Wednesday, 8 December*Plenary session* 9.00–13.00 hrs.Neutrino physics *D. Haidt* ν_τ physics

G. Myatt

 ν oscillations

F. Vannucci

Neutral currents

J. Panman

 $\nu_\mu - e$ scattering

F. Jacquet and K. Winter

Theory

C.H. Llewellyn Smith

Plenary session 14.00–18.00 hrsNew particles and decays *L. Foà*

Charm physics

S. Reucroft

Search for beauty

J. Sacton

Search for SuSy particles, axion, heavy neutrinos

G. Barbiellini

CP violation

H. Wahl

Theory

H. Fritzsch

Thursday, 9 December*Plenary session* 9.00–13.00Hadron physics *D. Treille*Hard scattering and jet physics in connection with real γ

K. Pretzl

Dimuons

K. Freudenreich

Gluonium physics

R. Zitoun

Spin physics with hadrons and γ : its interest and feasibility

L. Van Rossum

Acceleration of polarized particles in PS and SPS

D. Möhl and C. Bovet

Theory

R. Petronzio

Plenary session 14.00–18.00Nuclear beams and targets *W. Willis*

Nuclear beams from PS and SPS

H. Haseroth

Experimental review and preview

M. Albrow

QCD results on quark-gluon plasma and chiral symmetry

H. Satz

Theory

L. Van Hove

Working groups meetings on Monday, 6 December 10.30–13.00 hrs and 14.00–18.00 hrs.

Muon physics	Neutrino physics	New particles and decays	Hadron physics	Nuclear beams and targets
FNAL μ plans asymmetry direct σ^v beam polarization solid target $B\bar{B}$ production improved setup fragmentation and scaling violations Primakoff effect	$\nu_\mu - e$ scattering ν programme at TEVATRON ν experiment at BNL ν_e beam quadrupole triplet beam all purpose ν detector holography in BEBC nuclear effects oscillations	charm physics technical developments on vertex reconstruction prompt lepton production in hadronic interaction	acceleration of polarized protons beams, targets, gas jet targets physics feasibility gluonium	di-quark search chemical equilibrium lepton pair measurements energy flow measurements new spectrometer visual detectors plastic ball-wall

Working groups meetings on Tuesday, 7 December 9.00–13.00 hrs.

Joint μ and ν meeting	New particles and decays	Hadron physics	Nuclear beams and targets
9.00–12.00 structure functions: μ and ν groups 12.00–13.00 hadronic final states in μ and ν experiments	beauty search ideas on experimental search for supersymmetric particles and rare phenomena	photoproduction prompt γ jets dimuon	beam design vertex detector identical particle interferometry