

II – Tuesday 9 November
at 14.00 hrs - Conference Room, Sixth Floor of the
Administration Building.
CLOSED SESSION.
(This Closed Session will continue on Wednesday 10
November at 9.00 hrs.)

Tuesday 9 November

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium
A Search for Magnetic Monopoles Catalyzing
Baryon Decay
by P. Bosetti / III. Physikalisches Institut,
Aachen.

TRAINING AND EDUCATION ENSEIGNEMENT

ACADEMIC TRAINING Tel. 2844

Particle detectors – a series of 8 lectures :

11.00 hrs to 12.00 hrs – Auditorium

Thursday 11 November and Friday 12 November

Tracking chambers
by H.J. Hilke / CERN

Tuesday 16 November and Wednesday 17 November

Calorimeters
by O. Ullaland / CERN

Tuesday 30 November and Wednesday 1 December

Ring-imaging Cherenkov counters
(in French)
by J. Seguinot / Ecole Polytechnique, Palaiseau

Thursday 2 December and Friday 3 December

Silicon semiconductor detectors
by H. Heijne / CERN

ENSEIGNEMENT GENERAL (Tél. 2844)

Jeudi 4 Novembre

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

INFORMATIONS GENERALES GENERAL INFORMATION

ON RECHERCHE

Je demande à la personne qui a trouvé une paire de
chaussures de ski Eschung bleue, indispensable, oubliée
le 21 octobre au terme de la bourse/échange, hall d'entrée
du Bâtiment administratif, de bien vouloir me contacter,
tél. 4715 (ou privé 50 – 43.73.82). Remerciements
anticipés et récompense. G. Thévenier.

A DONNER AUX DIVISIONS – URGENT

Un bac en plastique de 3 mètres de long (avec deux
séparations), 67 cm de large, et 87 cm de haut (hors
tout). Il est équipé de 3 mélangeurs et 3 évacuations.

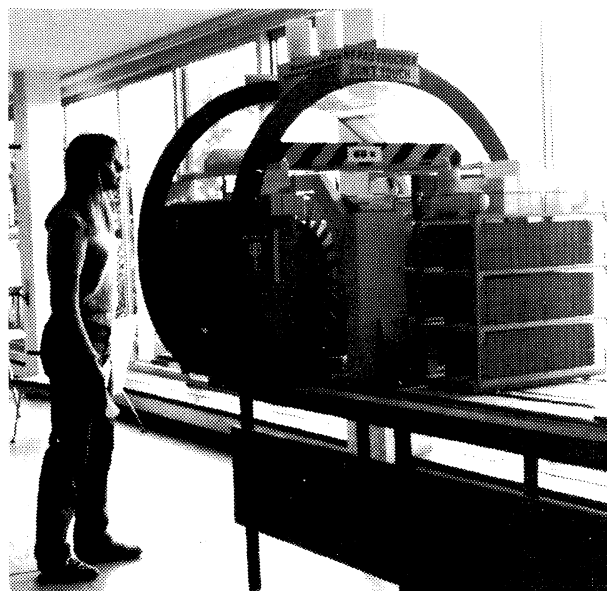
Pour tous renseignements, téléphoner au 4563 ou
3492.

CERN COURIER - November issue

News from Laboratories far and wide. From CERN,
interesting hints from muon beam experiments, the
LEAR programme, Schools of Physics and Computing,
and holograms for physics. Exclusive to the Courier –
Ned Goldwasser's memoirs of ten years on the IUPAP
Commission on Particles and Fields.

Available from the beginning of November at :

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



A tous les membres du personnel titulaires

MOBILITÉ INTERNE

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

I – PROJET LEP

- MECANICIEN ou ELECTROMECHANICIEN
CAP ou diplôme équivalent

Fonctions :

Participer au montage, aux tests et à l'installation du 350 MHz, des klystrons 1 MW et des équipements connexes pour l'Anneau Principal LEP.

Participer à la construction des bancs d'essais pour les klystrons, les guides d'ondes et les cavités. Prendre une part active à l'installation de l'alimentation de la radiofréquence pour la mise en place des tests de 16 ensembles de cavités.

Une expérience des travaux en électromécanique serait un avantage, mais les candidats qui possèdent une formation de base uniquement en mécanique sont également invités à poser leur candidature.

- MECANICIEN ou ELECTROMECHANICIEN
CAP ou diplôme équivalent

Fonctions :

Participer au montage, aux tests et à l'installation des cavités accélératrices de la radiofréquence pour l'Anneau Principal LEP.

Participer à la construction des bancs d'essais pour les cavités et à la mise en place complète des tests de 16 ensembles de cavités.

Une expérience des travaux en électromécanique serait un avantage, mais les candidats qui possèdent une formation de base uniquement en mécanique sont également invités à poser leur candidature.

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), Coordonateur du Personnel LEP.

II – DIVISION PS

- PHYSICIEN/INGENIEUR EN ÉLECTRONIQUE (PS/RF)

Qualifications :

- Diplôme universitaire en physique ou diplôme d'ingénieur en électronique.
- Expérience des techniques de mesures RF et du développement de circuits analogues.
- Connaissance de base des applications RF dans les accélérateurs très souhaitable.

Fonctions :

Prendre part au développement de l'électronique à bas niveau des nouveaux systèmes RF de la chaîne d'injection du LEP (EPA, PS), ainsi qu'aux améliorations des

To all Staff Members

INTERNAL MOBILITY

Internal recruitment has been authorized for the following posts vacant in

I – LEP PROJECT

- MECHANIC or ELECTROMECHANIC
CAP or equivalent

Assignment :

To participate in the assembly, testing and installation of the 350 MHz, 1 MW klystrons and associated equipment, for the LEP Main Ring r.f. system.

To participate in the construction of test stands for klystrons, waveguides and cavities. To take an active part in the installation of the entire r.f. power plant for the test set-up of 16 cavity assemblies.

Experience in electromechanical work is an advantage, but candidates with a purely mechanical background are also invited to apply.

- MECHANIC or ELECTROMECHANIC
CAP or equivalent

Assignment :

To participate in the assembly, testing and installation of the r.f. accelerating cavities for the LEP Main Ring.

To participate in the construction of test stands for the cavities and of a complete test set-up of 16 cavity assemblies.

Experience in electromechanical work is an advantage, but candidates with a purely mechanical background are also invited to apply.

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

II – DIVISION PS

- PHYSICIST/ELECTRONICS ENGINEER (PS/RF)

Qualifications :

- University degree in physics or electronic engineering.
- Experience in r.f. measurement techniques and development of analogue circuitry.
- Background on r.f. application in accelerators strongly desired.

Assignment :

To work on the development of low-level circuitry for the new r.f. systems in the LEP injector chain (EPA, PS) and improvement of existing systems used in antiproton ope-

systèmes existants utilisés pour l'exploitation des anti-protons. Une partie importante du travail concerne les interactions de l'équipement de faisceaux avec les mesures associées au contrôle du faisceau et les asservissements.

Si vous désirez en savoir plus au sujet de ce poste, veuillez vous mettre en rapport avec U. JOHNSEN (tél. 4127) en vue d'une discussion avec le supérieur hiérarchique concerné.

ration. An important part of the work concerns beam equipment interactions with associated measurements on beam control and feedback equipment.

If you want to know more about the above post, please contact U. JOHNSEN (Ext. 4127) to arrange for an informal discussion with the supervisor concerned.

VACANT POSTS LIST ON 25th OCTOBER 1982

<u>Post No</u>	<u>Vacancy No</u>	<u>Title</u>	<u>Grade</u>	
* EP-DI-058	81-70	Physicist	9	

* DD-ES-FE-002	82-25	Technician (Electronics)	5	
* DD-CO-CO-276	82-30	Technician (Computer Operation)	5	

* PS-OP-MO-241	82-36	Technician (Accelerator Operation)	6	

ISR-RF-097	82-32	Technical Assistant (Electronics)	7/8	
ISR-RF-098	82-31	Technical Assistant (Electronics)	7/8	

* SPS-AOP-194	82-29	Engineer or Physicist	9	
* SPS-AOP-323	82-22	Engineer or Physicist	9	

DG-OF-CS-012	82-28	Administrative Clerk	5	

SB-EE-GE-PH-067	82-34	Technician (Power Supplies)	5/6	
* SB-DI-453	81-69	Administrative Clerk	4	
* SB-CB-BM-506	82-14	Technician (Quantity Surveying)	6	B+

* HS-SY-SF-066	82-21	Head of Emergency & Fire Service	10/11	

B+ = Future Selection Board

NOTE : Applications for these vacancies are invited from staff members only, except where a post is marked with an asterisk indicating that external recruitment has been authorized. For staff members who wish to apply for an internal job, but who hesitate because they do not have the qualifications required, adequate training could be envisaged. They are therefore encouraged to make their interest known.

Vacancies of other Organizations and Institutes are displayed on the notice-boards in the Administration Building and outside the Reception Office, Personnel Department.

REINTEGRATION – Sécurité sociale française

La prochaine permanence de la Sécurité sociale française aura lieu

*jeudi 4 novembre 1982 de 9h00 à 11h00
salle de conférences No.2, 1er étage, Bât.5, Départ. PE*

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

Section des Affaires sociales
Département du Personnel - Tél. 4201

COMMUNICATION DE LA DIVISION SB

Les usagers de la route BOHR sont informés que des travaux de réfection de conduite incendie seront entrepris :

du 2 au 12 novembre 1982.

En conséquence, la circulation sera perturbée durant cette période; une signalisation adaptée sera mise en place.

Nous prions les usagers de bien vouloir supporter cette restriction passagère.

SPS FIXED TARGET WORKSHOP

As already announced, the workshop on SPS Fixed Target Physics for the Years 1984-1989 will be held at CERN during the week 6 - 10 December 1982.

A number of working groups are presently active and will continue to meet in preparation for the workshop. The conveners for the sessions on the five main topics

TOPIC	CONVENER
Neutrino physics	D. Haidt – DESY, Hamburg
Muon physics and structure functions	J.J. Aubert – CPPM, Marseille
New particles and decays	L. Foà – Pisa
Hadron physics	D. Treille – CERN
Nuclear beams and targets	W. Willis – CERN

are co-ordinating this activity, profiting from the systematic participation of theorists and machine experts.

The tentative programme is as follows :

Monday 6 December

- 09.00 hrs/10.15 hrs :
Opening of the workshop with an introduction by the CERN Director-General and a report on FNAL plans and programme.
- 10.30 hrs/13.00 hrs and 14.00 hrs/18.00 hrs :
Meetings of working groups chaired by the conveners of the five main topics.

Tuesday 7 December

- 09.00 hrs/13.00 hrs :
Meeting of working groups.
- 14.00 hrs/18.00 hrs :
Plenary session on muon physics and structure functions.

Wednesday 8 December

- 09.00 hrs/13.00 hrs :
Plenary session on new particles and decays.
- 14.00 hrs/18.00 hrs :
Plenary session on neutrino physics.

Thursday 9 December

- 09.00 hrs/13.00 hrs :
Plenary session on nuclear beams and targets.
- 14.00 hrs/18.00 hrs :
Plenary session on hadron physics.

Friday 10 December

- 09.30 hrs/12.30 hrs :
Summary talks by J.J. Aubert, L. Foà, D. Haidt.
- 14.00 hrs/17.00 hrs :
Summary talks by W. Willis, D. Treille, A. de Rujula.
- 17.00 hrs/18.00 hrs :
General Discussion.

The list of speakers for the plenary sessions and the subject of their talks will be announced later. As a rule, there will be 3 - 4 talks of experimental character and a theoretical review in each plenary session. In the summary talks and in the discussions it is expected that emphasis will be given to the comparison with the physics opportunities offered by other accelerator facilities at CERN and elsewhere.

As announced, participation is open to all interested physicists. However, in order to help with the practical aspects of the workshop, interested participants are requested to write as early as possible to Mrs. A.M. Bugge, DG Division, CERN, stating the period of attendance and their main field of interest. (No registration fee is required.)

On **Sunday 5 December**, there will be a registration desk in the CERN Main Building from 15.00 hrs to 19.00 hrs.

Coming Activities of the Working Groups

28 October at 10.00 hrs (Bldg. 13, 2-005)

New particles and decays – L. Foà
L. Foà : Techniques for vertex construction.

28 October at 14.00 hrs (Bldg. 17, 1st floor)

Nuclear beams and targets – W. Willis
W. Willis : General features of nucleus interactions, energy flow and particle identification.

1 November at 15.00 hrs (Bldg. 17, 1st floor)

New particles and decays – L. Foà
P. Pistilli : electron-muon asymmetry in beam dump.

4 November at 14.00 hrs (Bldg. 1, 1-025)

Hadron physics – D. Treille
K. Pretzl : Jet physics in hadron-hadron and hadron-nucleus collisions.

8 November at 13.45 hrs (Council Chamber)

BEBC Users' Group meeting : Various reports of interest to the workshop.
Physicists interested in neutrino physics are invited to participate.

9 November at 09.30 hrs (Bldg. 13, 2-005)

Neutrino physics – D. Haidt
– at 09.30 hrs F. Vannucci : Neutrino oscillation.
– at 14.00 hrs – J.C. Panman : Neutral current interaction.
– at 16.00 hrs – G. Myatt : Tau neutrinos.

10 November at 09.00 hrs (Bldg. 17, 1st floor)

Neutrino physics – D. Haidt
A. Tenner : Hadronic final states.

11 November (Time and place to be fixed)

Hadron physics – D. Treille
Photon hard scattering. Comparison of photon and hadron induced reaction.

15 November at 09.00 hrs (Bldg. 28, 2-014)

Neutrino physics – D. Haidt

Reports by all neutrino sub-groups.

Ch. Llewellyn-Smith : Presentation of theoretical aspects.

F. Eisele : Structure functions. This report will be given in common with the muon physics – J.J. Aubert (see below).

15 November

– Morning (Bldg. 892-1-D20) :

Muon physics – J.J. Aubert

H.E. Montgomery : Hadronic final states.

– Morning (Bldg. 892-1-A02) :

A. Benvenuti : Weak effects.

– at 14.30 hrs (Bldg. 862, Auditorium)

Report on progress of the working group and discussion.

15 November at 09.30 hrs (Bldg. 17, 1st floor)

Hadron physics – D. Treille

L. Van Rossum : Use of polarization in hadronic physics.

Theoretical seminars by :

– J. Soffer : Use of polarization to test fundamental symmetries.

– E. Leader : Spin structure at the partonic level.

– N.S. Craigie : Polarization effects in higher order QCD.

Reports on earlier meetings and discussion (if necessary to continue on November 16).