

SEMINARS SEMINAIRES

Monday 22 August

EP SEMINAR

at 16.30 hrs – Auditorium

The D0 experiment at the Tevatron

by M. RIJSSENBEK / SUNY, Stony Brook

D0 is a general purpose detector presently under construction for the Fermilab Collider; it stresses full lepton and hadron coverage and calorimetry with good energy and spacial resolution. Much attention is given to electron identification by EM calorimetry and Transition Radiation Detection. Magnetized iron and muon chambers serve as muon filter and analyser. The presentation will cover results of recent calorimeter tests at FNAL and of the Saclay TRD test at CERN.

Wednesday 24 August

THEORETICAL SEMINAR

at 14.00 hrs – Theory Conference Room

Soliton condensation and superconductivity

by T. D. Lee / Columbia University, New York

Soliton condensation refers to a new condensation mechanism which occurs in the co-ordinate space; its condensate is a superfluid, and (if charged) exhibits the Meissner-Ochsenfeld effect. Applications to high T_c superconductivity lead to several new effects which can be observed experimentally.

Tuesday 30 August

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Neutrino masses, oscillations and decays

by Haim HARARI / Weizmann Institute

Wednesday 31 August

PRESENTATION

at 14.30 hrs – DD Auditorium

bldg 31, 3-005

Altera

by W. WEBER / Product Engineer, Stolz, Baden

INFORMATIONS GENERALES GENERAL INFORMATION

FIND BULLETIN ON VM

A new VM feature gives the programme of Seminars and Training lectures for the current week as announced in the Weekly Bulletin. The information, prepared in the Publications Section, parallels the Bulletin's Seminars and Training columns and is designed for rapid consultation. Abstracts are not included.

Access is via any one of the following keywords :

BULLETIN
SEMINAR
LECTURE
DIARY

combined with the command *FIND*. For example

FIND BULLETIN

gets the message

*BULLETIN gives you the SEMINARS
for the current week*

Press PF1 to display the list of seminars.

The full list will always be displayed regardless of the keyword used.

To select a particular seminar, for example, use the Xedit locate command / . Thus, to find EP SEMINAR give the command

/EP SEMINAR

In order to provide as comprehensive a service as possible the list will be updated to include seminars or changes of details not announced in the Bulletin. You may notify such changes by phoning the Bulletin office on 3475 / 4106 / 2755 or by e-mail to SEAMUS@CERNVM.

The weekly list is updated on VM during Friday night to be ready for the following week.

Publications Section / DG

JEÛNE GENEVOIS
Bulletin n°37/88

Le jeudi 8 septembre étant férié (Jeûne genevois), les articles à insérer dans le Bulletin n° 37/88, paraissant le vendredi 9 (et couvrant la semaine du lundi 12 septembre), devront nous parvenir **un jour plus tôt** qu'à l'accoutumée, soit le **lundi 5 septembre à midi**.

Merci de votre coopération.

Section Publications / DG
Tél. 3475

JEÛNE GENEVOIS
Deadline for Bulletin n° 37/88

As **Thursday 8 September** is a holiday (Jeûne genevois), material for publication in Weekly Bulletin N° 37/88, to appear on Friday 9 September (covering the week of Monday 12 September) should reach us **one day earlier** than usual, i.e. **by noon on Monday 5 September**.

Thank you for your cooperation.

Publications Section / DG
Tel. 3475

**Journée de Délégation Suisse-Romande de
l'Institut Weizmann des Sciences au CERN**
Jeudi 1er septembre 1988

Cérémonie à l'Amphithéâtre du Bâtiment de l'Administration

- | | |
|---------|---|
| 14.30 h | Bienvenue et remerciements
Monsieur J.-J. BRUNSCHWIG
<i>Président de la Délégation Suisse-Romande
de l'Institut Weizmann des Sciences</i> |
| 14.35 h | CERN and International Collaboration
Professeur H. SCHOPPER
<i>Directeur Général du CERN</i> |
| 14.50 h | The Weizmann Institute's participation to CERN Programmes
Professeur G. MIKENBERG
<i>Institut Weizmann des Sciences</i> |
| 15.10 h | The structure of matter and the origin of the Universe
Professeur H. HARARI
<i>Institut Weizmann des Sciences</i> |
| 15.30 h | L'Europe et la Science
Madame Simone VEIL
<i>Président d'Honneur du Conseil Pasteur-Weizmann</i> |

Les Cernois sont les bienvenus à cette manifestation. Ils sont priés de bien vouloir prendre place dans la moitié **supérieure** du Grand Amphithéâtre.

CERN Staff are most welcome to attend. It is kindly suggested that they sit in the **upper** half of the Auditorium.

RAPPEL

**RAPPORT ANNUEL 1987
DE LA CAISSE DE PENSIONS**

Le Rapport Annuel 1987 de la Caisse de Pensions est disponible dans les secrétariats de division.

Les bénéficiaires de la Caisse qui désirent obtenir ce document sont priés de s'adresser à l'Administration de la Caisse (tél. 2738), bât. 5, 1-030.

REMINDER

**1987 ANNUAL REPORT
OF THE PENSION FUND**

The 1987 Annual Report of the Pension Fund is available from Divisional Secretariats.

Beneficiaries of the Fund who wish to obtain this document should contact the Administration of the Fund (tel. 2738), bldg 5, 1-030.

COURS PCAD

Une session de cours sera organisée la première semaine d'octobre 1988 :

PCAD-PCCAPS schéma 3 & 4 octobre
PCAD-PCCARDS circuit imprimé 5, 6 & 7 octobre

Nombre de participants : 6 par niveau

Inscriptions : avant le **15 septembre 1988** en renvoyant le bulletin d'inscription ci-dessous à

D. Péron / SPS-AMR / 5163 / bât. 865-2C07

Attention : Connaissance des fonctions MS-DOS indispensable

Les personnes ayant fait une demande de cours auprès de D. Péron devront refaire celle-ci en renvoyant ce bulletin.

Seront prioritaires les personnes ayant des logiciels PCAD installés ou en commande.



Cours PCAD – Bulletin d'inscription

Niveau : PCCAPS
PCCARDS (rayer la mention inutile)

Nom : Prénom :

Division : Groupe :

Chef de groupe : Signature du chef de groupe

Une finance d'inscription sera demandée

Une confirmation d'inscription vous sera envoyée

Logiciel PCAD – installé : ☐ OUI ☐ NON (référence boîte)
– en commande : ☐ OUI ☐ NON (numéro de commande
date)

En fonction du nombre d'inscriptions, d'autres cours seront organisés en novembre et décembre.

HOMMAGE À P. GERMAIN

Nous avons appris le décès de Monsieur Pierre GERMAIN le 16 août 1988 à la suite d'une longue maladie. Cette nouvelle a profondément attristé un grand nombre de fonctionnaires, et en particulier ses anciens collègues qui connaissent bien le rôle éminent qu'il a joué dans la vie et l'évolution de l'Organisation.

Pierre GERMAIN est arrivé en juillet 1955 dans le Groupe Radio-Fréquence de la Division PS. Son premier travail a porté sur la conception et la réalisation du générateur de fréquence variable, basé sur l'effet Hall, qui devait piloter initialement les cavités RF du PS.

En 1960, il prit la tête du groupe MPS, créé dans la Division PS pour exploiter le synchrotron dont la mise en service venait de commencer. Ce groupe devint la Division MPS dès 1961 et P. Germain en assumait la direction jusqu'en 1966 quand il fut nommé Directeur du Département PS qui regroupait les Divisions MPS, NPA et SI.

C'est pendant cette période que l'avenir du PS fut façonné par P. Germain qui lança un programme d'améliorations importantes du PS comprenant en particulier la construction du Booster de 800 MeV. Le maintien du PS au sommet des performances en fut le résultat.

En 1970 P. Germain revint dans le cadre de la Division PS pour s'occuper de divers développements techniques et de tâches administratives. Un des pères fondateurs du PS vient de s'éteindre. Au nom du CERN, du Directeur général, du Directeur Technique et du personnel de la Division PS j'ai envoyé une lettre de condoléances à sa famille.

Roy Billinge
Chef de la Division PS

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE CERN EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH		VACANT POSTS		Date 22.8.88
Post & vacancy nos., date	Job title & summary of functions	Grade	Selection board	
	Internal Recruitment Only			
DD-ED-CA-209 88-27, 01.06.88	Engineer (Programming) - To contribute to the work of the team supporting the EUCLID mechanical CAD system adopted as standard by the laboratory. This is based on a central VAX cluster running VMS networked to some 30 workstations distributed throughout the various divisions. Apart from the ongoing support effort, future work is aimed at the attainment of an integrated computer aided engineering environment. This involves the intergration of EUCLID with other applications, programmes and procedures (interfacing EUCLID to the ORACLE database, to structural analysis packages, to N/C equipment, to a simple 2D drafting system such as AUTOCAD: study of distributed processing options and design and manufacturing data exchange with other institutes and suppliers).	9/10	B	
DD-OCS-211 88-35, 02.08.88	Technician (Electronics) - To work in the team for Macintosh support in the MIS (Management Information Systems) unit: prepare configurations of Apple Macintosh computers according to user's specifications and to install them at the user's site. The Apple Macintosh is the most used personal computer at CERN, and the installed base of over a thousand machines has many applications in the MIS area. MIS use of the Macintosh will be supported by the OCS group on all levels: installation, upgrading, connection to networks, distribution of software, repair and maintenance. The applicant will be or become knowledgeable in all Apple Macintosh hardware and have or acquire a working knowledge of Macintosh software and diagnostic tools, and will be involved in all aspects of the running of the Macintosh Shop.	6/7		
DD-OCS-045/210 88-36, 02.08.88 (2 posts)	Engineer (Programming) - To work in the team for Macintosh support in the MIS (Management Information Systems) unit: the Apple Macintosh is the most used personal computer at CERN, and the installed base of over a thousand machines has many applications in the MIS area. MIS use of the Macintosh will be supported by the OCS group on all levels: hardware installation, software distribution, user support and integration	9/10	.../...	

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE CERN EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH		VACANT POSTS		Date 22.8.88	
Post & vacancy nos., date		Job title & summary of functions		Grade	Selection board
.../...		The applicant will take the responsibilities of a systems analyst inside OCS, ensuring that the networks of Macintoshes will provide adequate MIS services and will be correctly integrated with the future office systems and the existing clusters of computers. He or she will interface with Apple and third party developers in matters of future developments. He or she will ensure user training through the organisation of courses, supervise the work of technicians and data aides, and deal with manufacturers and vendors of software and hardware products.			
DD-CO-CO-216 88-33, 10.08.88		Physicist or Engineer (Programming) - To take major responsibilities in the operation and control of a large VAX installation, running both VMS and UNIX operating systems. - To develop and maintain utilities to assist in the above, particularly in the area of automatic operations, using tools such as work-stations, artificial intelligence and new hardware devices. - In the longer term, these functions could be extended into CRAY+ IBM, APOLLO and Network sections of the Computer Operations Group. The job implies close collaboration with these other systems and their support teams.		9/10	
DD-OCS-213 88-32, 02.08.88		Administrative Clerk (Data Handling) - To participate in all day-to-day tasks of Macintosh operations in the personal computer shop. - To take care of organization, maintenance and back-up of database systems handling all administrative transactions, stock and inventory control. - To be responsible for handling unpacking lists, guarantee forms and marking of equipment.		5	
DD-ED-AE-214 88-34, 03.08.88		Engineer (Programming) - To work in the DD Division team supporting CERN's CAE tools in the field of analogue electronic simulation, providing the necessary software support. The most frequently used package, I-SPICE, is installed on a central VAX cluster running VMS and is accessed by the users throughout the site via graphics terminals. SUPER*SCEPTRE and ECAP are installed on the central IBM, under VM/CMS and run batch mode. Apart from the on-going support effort, future work is aimed at enhancing the performance and the versatility of the simulation environment. This will most likely involve a move towards distributed processing with local work-stations. .../...		9/10	

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE CERN EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH		VACANT POSTS		Date 22.8.88	
Post & vacancy nos., date		Job title & summary of functions		Grade	Selection board
.../...		To contribute to work in some of the following areas: - consolidation, stabilization and maintenance of I-SPICE - installation and maintenance of new tools such as SABER - adaptation of the supported tools to CERN's needs, development of interfaces to other packages in the CAE/CAD chain and creation of good human interfaces - model and component library management, etc. - creation of general utilities for the users - writing of user documentation - creation of simulation models			
DD-ED-DE-218 88-38, 05.08.88		Technical Assistant (Electronics) - To work as a member of the DD Division team supporting activities related to the exploitation of an in-house designed special purpose processor, the 3081/E, by CERN experiments and their external collaborators. The tasks involved are mainly hardware oriented, although an ability to understand and make use of software packages and programmes is considered essential. They include component ordering, and the preparation of tenders for a large scale acquisition of components and manufacture of units, the maintenance of a project equipment data base, the preparation of in-house built prototypes, the monitoring of outside manufacturing, and the final construction, testing, installation, and maintenance of 3081/E processors. To maintain good working relationships with suppliers, manufacturers, the CERN workshops, and the physics user community. Participation in the design of system upgrades and/or new developments will be actively encouraged.		7/8	
EF-NEU-138 88-31, 29.06.88		Technical Assistant (Electricity or Electronics) As a member of a small multi-activity group, and under the supervision of a Senior Engineer : - to undertake responsibility for the data acquisition and control systems concerning the monitoring of equipment serving a physics experiment : - to participate in the installation, improvement and operation of the stabilized power supplies of a superconducting magnet ; - to organize the operation of the electric power equipment (pulsed power supplies and delay lines for Experiment WA79). To make the necessary emergency repairs.		8	.../...

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE CERN EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH		VACANT POSTS		Date 22.8.88
Post & vacancy nos., date	Job title & summary of functions	Grade	Selection board	
.../...	Owing to the type of work and the composition of the group, the successful candidate will be required, after a training period, to replace the group's Senior Technical Assistant. This post may involve work outside normal CERN working hours.			
SPS-EMA-202 88-37, 12.08.88	Senior Technical Assistant - To participate, as a member of a team, in the development work of high field superconducting magnets for a possible future Large Hadron Collider. To collaborate with engineers, physicists and technicians in the definition and design of parts of the magnets or of their ancillary equipment. To direct and inspect the manufacture of magnet models and prototypes in industry or of some parts at CERN. To take part in the installation, tests and measurements at CERN or in other laboratories.	8/9		
FI-PB-96 88-26, 01.06.88	Administrative Officer - To take part, in close collaboration with the head of the Planning and Budget office, in the main work concerning budgets, medium and long-range financial planning, cost variations, forecasts, statistics, etc: - To prepare and edit the documents and reports connected with this work. - To maintain close links with the heads of CERN's various units as part of the monitoring of budget procedures. - To carry out specific (from data-acquisition to the implementation of the conclusions) in the field of economic analysis and statistics. - To assess the financial consequences of management proposals, and design cost simulation methods and models for this purpose. - To develop and to run an economic and financial information system. To develop exchanges of information with outside bodies at a high level.	9/10		
ST-EL-RD-447 88-25, 23.05.88	Senior Electrical Engineer - As Section Leader of the Electrical Installations and Control Group, to be responsible for the operation, maintenance, testing and modification or installation of important equipment linked to part of the electrical distribution network on the sites. To plan, organize and supervise maintenance, repair and modification work.	10/11		.../...

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE CERN EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH		VACANT POSTS		Date 22.8.88
Post & vacancy nos., date	Job title & summary of functions	Grade	Selection board	
.../...	To supervise the work of a large number of technicians and electricians. To maintain contacts and coordination with the network users. - The post and the responsibilities involved will be adapted according to the candidate's competence and aptitudes. Applications for these posts should, if possible, reach Personnel Division no later than four weeks from the date of publication. For further information, in particular regarding qualifications required, please refer to the appropriate Vacancy Notice or contact Employment Services Tel. 2735/4606			