

première année suivant son installation en France (c'est-à-dire le début de validité du premier titre de séjour) et pour autant qu'il y ait réciprocité avec la France (pour savoir si tel est le cas, prière de consulter les Relations avec les Pays-hôtes, tél. 5152).

Le conjoint est dans la même situation que lui.

4. Un fonctionnaire et son conjoint titulaires de 'cartes spéciales' peuvent conduire des véhicules (immatriculés en France) qu'ils ont loués ou qu'on leur a prêtés.
5. Un fonctionnaire titulaire d'une 'carte spéciale' qui devient retraité ne bénéficie plus de la facilité visée au paragraphe 2. Il doit, par conséquent, obtenir l'échange de son permis non français en s'adressant à la Préfecture du Département de son lieu de résidence.

N.B. Le présent communiqué remplace et annule celui publié dans le Bulletin hebdomadaire 35/83 - 29.8.83.

Relations avec les Pays-hôtes
Tél. 5152

with France (to find out if this is the case, please consult Relations with the Host States, tel. 5152).

The same rules apply to the spouses of officials.

4. Officials and their spouses who hold 'cartes spéciales' may drive vehicles (registered in France) which they have hired or borrowed.
5. On retirement, officials who previously held a 'carte spéciale' are no longer entitled to the privilege mentioned in Paragraph 2. They must, therefore, exchange their licences for French ones by applying to the Prefecture of their Department of residence.

N.B. The present notice replaces and invalidates that published in Bulletin 35/83, dated 29.8.83.

Relations with the Host States
Tel. 5152

SEMINARS SEMINAIRES

Monday 5 June

SPECIAL SEMINAR

at 14.00 hrs - LEP Auditorium
bldg 30, 7th floor

The Cold Nuclear Fusion Workshop at Santa Fe

by R.L. GARWIN / IBM Thomas
J. Watson Research Center

Monday 5 June

EP SEMINAR

at 16.30 hrs - Auditorium

A measurement of low- p_t prompt-electron production at the $p\bar{p}$ collider using a RICH counter

by K. FRANSSON / University of Uppsala

A Ring Imaging Cherenkov (RICH) counter installed in one of the forward spectrometer sectors of the UA2 detector has been used for electron identification. A total hadron rejection of better than 10^5 has been achieved. In the p_t region of 0.9 - 1.5 GeV the observed ratio of prompt electrons to charged hadrons was $(2.04 \pm 1.41 \text{ stat.} \pm 0.64 \text{ sys.}) 10^{-4}$. In this p_t region semileptonic decays of charmed particles are expected to dominate. An estimate of the total cross-section for open-charm production at $\sqrt{s} = 630 \text{ GeV}$ will be given.

Tuesday 6 June

LEP EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs - Auditorium

09.00-09.10 *Introductory remarks*
by C. Rubbia

09.10-10.10 *Physics at the Z^0 -pole : The expected*
by G. Altarelli

10.10-11.10 *Physics at the Z^0 -pole : The unexpected*
by C. Verzegnassi

11.10-11.30 *Coffee break*

11.30-12.30 *Event generators for LEP*
by R. Kleiss

12.30-13.00 *News from SLC*
by R. Taylor

Lunch

14.00-14.45 *Status of LEP*
by E. Picasso

Comments from experiments on the first phase of LEP operation

14.45-15.00 *ALEPH*

15.00-15.15 *DELPHI*

15.15-15.30 *OPAL*

15.30-15.45 *L3*

15.45-16.15 *Tea break*

16.15-17.00 *Memorandum on polarized electro-
production at LEP (LEPC 89-10/M88;
L. Dick)*

17.00-17.20 *Search for highly ionizing particles in e^+e^- collisions (Bologna - Carleton/ CERN - Harvard - Montreal collaboration; LEPC 89-9/P5; J.L. Pinfold)*

Closed session

Wednesday 7 June

at 09.00 hrs - Conference Room 6th floor,
Administration building

Mardi 6 juin

PRESENTATION

10.30 h; 14.00 - 16.00 h - Amphithéâtre DD
bldg 31, 3-005

La Société ADAS Electronique

par J.-F. FROISSART

La Société ADAS Electronique présentera ses produits, étudiés et développés par eux-mêmes, notamment au standard VMEbus : - unité centrale - entrées/sorties digitales - acquisitions analogiques - sorties analogiques - contrôleur intelligent de commandes de moteurs pas à pas ou courant continu. D'autres produits seront également exposés, tels que : entrées/sorties analogiques et digitales isolées, racks, châssis et passerelles PC-VMEbus et Multibus 1-VMEbus. Les représentants de ADAS seront disponibles à partir de 14.00 h dans l'Amphithéâtre DD pour une exposition de produits, ainsi que pour des discussions informelles.

Langue : français

Renseignements : C. Parkman / DD / 3963 /
pmn@cernvm

Wednesday 7 June

DD SEMINAR

at 10.00 hrs* - DD Auditorium
bldg 31, 3-005

High performance linear algebra kernels and their applications

by Phuong VU / Cray Research, Mendota Heights

We will discuss some of the issues in the design and implementation (both single and autotasked) of the Level 2 and Level 3 BLAS. Performance results of these kernels together with their applications to the new linear algebra package LAPACK will also be presented.

* Please note the unusual time!

Wednesday 7 June

PS SEMINAR

at 11.00 hrs - PS Auditorium

Accelerator operations at Fermilab

by E. HARMS & B. HANNA / FNAL

The Fermilab accelerator complex, comprising 7 machines, is operated from a single control room. An overview of the operating environment will be presented, with particular emphasis on specifics of Tevatron and Antiproton Source operations.

Wednesday 7 June

THEORETICAL SEMINAR

at 14.00 hrs - TH Conference Room

The Einstein-Podolsky-Rosen paradox, Bell's inequalities and tests of the no faster-than-light signalling hypothesis

by S.M. ROY / CERN

Einstein, Podolsky and Rosen argued, on the basis of a principle of local realism enunciated by Einstein, that quantum mechanics cannot be a complete description of physical reality. Bell provided a mathematically precise formulation of the principle leading to experimentally testable inequalities, and demonstrated that quantum theory actually violates this principle. Quantum theory nevertheless incorporates a weaker locality, namely the hypothesis of impossibility of faster-than-light signals. We discuss this weak locality and its experimental tests.

Wednesday 7 & Thursday 8 June

PRESENTATION

Presentation : Wednesday 7 June
14.00 to 17.00 hrs

Demonstration : Thursday 8 June
9.00 to 12.00 hrs

DD Auditorium, bldg. 31, 3-005

Ardent technology seminar : Titan and Dore

by Gordon BELL / Vice President of
Engineering, Ardent Computer, USA

Titan is a new class of computer that couples the computational speed of a supercomputer with high-performance graphics, priced and packaged like a workstation. The Titan integrates graphics and high-speed vector processing in a single system. It closely couples high-level modeling and analysis to give scientists, researchers and engineers an interactive tool for visualizing data from complex mathematical and scientific applications. Titan is a parallel 64-bit vector machine that can be expanded from one to four processors. Each Titan processor contains a MIPS RISC processor and a separate vector floating-point unit with a large, configuration vector-register file. The graphics supercomputer from Ardent performs up to 128 MFLOPS, up to 128 MIPS and 200 thousand shaded 3D polygons per second.

DORE is the Dynamic Object-Rendering Environment offering a high-level set of software tools for visualizing the massive amounts of data produced in supercomputer applications.

Gordon Bell is best known as the architect of the VAX computer. He is currently Vice President of Engineering at Ardent Computer Corp., of Sunnyvale, California. He was recently

chairman of the subcommittee on computer networking, infrastructure, and digital communications, organized by the Federal Coordinating Council for Science, Engineering and Technology. In 1986 and 1987 he was assistant director for computing at the National Science Foundation. He earned his B.S. and M.S. degrees in electrical engineering at the Massachusetts Institute of Technology.

Thursday 8 June

PRESENTATION

09.00 to 12.00 hrs and 13.30 to 16.30 hrs
PS Auditorium, bldg 6, 2-024

CADRE

by Pierre SCHMIT, Markus WACHSMUTH & Achilles STAMATIADIS / CADRE
Technologies Europe

Teamwork is a Software Analysis and Design tool which can be tailored to the needs of the people producing software for real-time embedded systems. The Software Analysis Workstation (SAW) enables programmers to monitor the real-time execution of their code in a non-intrusive manner. The combined Teamwork and Software Analysis Workstation environment is named Unified CASE and it enables full system lifecycle support from requirements specifications through to testing and maintenance. Representatives from CADRE will present their products. Some CERN users will speak about their experience with the products too.

- 09.00 SASD Methodology
G. Kellner / CERN-EP
- 10.00 SASD Applied to Software for Accelerator Controls
I. Wilkie / CERN-SPS
- 11.00 Applying SASD to a large collaboration
G. Kellner / CERN-EP
- 11.30 Unified Case
A. Stamatiades / CADRE
- 13.30 SASD Tools (Teamwork)
P. Schmit & M. Wachsmuth / CADRE
- 14.30 Demonstration
K. Baslev / CADRE

Information :

L. Casalegno / PS / 2632 / luigi@cernvax
A. Daneels / PS / 2581 / daneels@cernvm

Thursday 8 June*

SPECIAL PS SEMINAR

at 15.30 hrs – Council Chamber

Cyclotron maser cooling of electron and ion beams

by Hidetsugu IKEGAMI / Research Centre for Nuclear Physics, University of Osaka

A new principle, 'cyclotron maser cooling' of electron and ion beams, is presented. Very rapid cooling time of order of microsecond may be obtained of the transverse and longitudinal phase

spaces of a beam independent of its energy. This cooling can be applied to either continuous or pulsed particle beams.

** Please note the unusual day, place and time!*

Thursday 8 June

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

SN 1987A – the second year

by I.J. DANZIGER / ESO

Firstly, I will discuss recent observational results concerning nucleo-synthesis in the supernova. Dust has been forming in the envelope since the middle of 1988 and the evidence and implications of this will be presented. The mystery of the pulsar will also be discussed.

** Tea & coffee will be served at 16.00 hrs.*

Friday 9 June

FORTY-FIFTH PLENARY ECFA MEETING

at 09.00 hrs – Council Chamber

Draft Agenda

1. Approval of the Draft Minutes of the Forty-fourth Plenary ECFA Meeting
2. Approval of the Draft Agenda
3. Chairman's Report
4. Next ECFA Chairman
5. ECFA Survey of Activity and Resources in HEP in Europe
6. The Gran Sasso Laboratory
(E. Bellotti)
7. Progress Report on the LEP Experimental Programme
(J.J. Thresher)
8. Networking in Europe; Report on ECFA SG5 and HEPnet
(R. Blokzijl)
9. Perspectives for the Long Range CERN Programme
(C. Rubbia)
10. Any Other Business

Friday 9 June

PRESENTATION

10.00-12.00 hrs & 14.00-16.00 hrs
DD Auditorium, bldg 31, 3-005

VMEbus and VXIbus modules

by J. FRASER / Product Marketing Manager
& J. FOWLIE / Senior Applications Engineer / Burr-Brown

Burr-Brown will present their range of products available for the VMEbus and VXIbus, including :

- *Analogue I/O* An extensive offering covering a wide spectrum of speed, resolution and functionality.
- *Digital I/O*
High level I/O, TTL I/O, relay outputs and timer/counters.
- *Intelligent I/O*
Complete data acquisition subsystems using an electrically isolated auxiliary bus within a VMEbus environment.
- *Digital Signal Processing*
- *Embedded PCs*
80386 based MS-DOS compatibles in VMEbus and VXIbus.

The afternoon session will be devoted to informal discussions and demonstrations.

Language : English

DD Organizer : C.Parkman / DD / 3963 /
PMN@CERNVM

TRAINING AND EDUCATION ENSEIGNEMENT

EDUCATION SERVICES SERVICES EDUCATIFS

Electronic mail contact with the CERN Education Services

From now on it is possible to contact any of the programmes or staff of the Education Services via the electronic mail address :

TRAINING@CERNVM.

Please start the message by indicating clearly to which programme (Language Courses, Academic Training, Technical Training, Management Training, Apprenticeships, General Education) or staff member (by name) your message refers. The head of Education Services, W. Blair, and the head of the Technical Training Programme, H. Alleyn, may be contacted personally via BLAIR@CERNVM and ALLEYN@CERNVM respectively.

Tuesday 13 June

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

Status of the SSC Laboratory

by R. SCHWITTERS / SSC

Wednesday 14 June

COMPUTER SEMINAR

at 16.00 hrs - Auditorium

The design of human-computer interfaces

by Bernard SUFRIN / University of Oxford

Thursday 15 June

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

New results from NA31 on CP violation and CPT

by Valerie GIBSON / CERN

Courrier électronique avec les Services Educatifs

Il est désormais possible de contacter chaque programme ou membre des Services Educatifs à l'adresse électronique suivante :

TRAINING@CERNVM.

Veuillez commencer votre message en indiquant clairement à quel programme (Cours de langues, Enseignement Académique, Enseignement Technique, Management Training, Apprentissages, Enseignement Général) ou à quel membre du groupe (en mentionnant son nom) le message est destiné. Le Chef des Services Educatifs W. Blair et le Chef de l'Enseignement Technique H. Alleyn peuvent être directement contactés via BLAIR@CERNVM et ALLEYN@CERNVM.