

COMMUNICATIONS OFFICIELLES

Les membres du personnel sont censés avoir pris connaissance des communications officielles ci-après. La reproduction même partielle de ces informations par des personnes ou des institutions externes à l'Organisation exige l'approbation préalable de la Direction du CERN.

OFFICIAL NEWS

Members of the personnel shall be deemed to have taken note of the news under this heading. Reproduction of all or part of this information by persons or institutions external to the Organization requires the prior approval of the CERN management.

REIMBURSEMENT OF CURE EXPENSES AFTER A WORK-RELATED ACCIDENT OR ILLNESS

I. Authorization for the cure

1. All applications for a cure following a work-related accident or illness shall be submitted to the Austria Health Insurance Scheme in accordance with the normal procedure; the Health Insurance Scheme first authorizes the cure in accordance with the conditions set out in Agreement 605/ADM between CERN and Austria (cf. point 9, Appendix II).
2. The Health Insurance Scheme then forwards the application to the Social Affairs Section for submission to the Organization's Medical Adviser. The latter must decide whether the request for a cure is linked to the recognized work-related accident or illness.
3. Once the patient has been examined, the Medical Adviser shall recommend whether the cure expenses should be covered under the health insurance scheme provisions concerning work-related accidents or illnesses. This type of reimbursement is not applicable to 'cures d'entretien'.
4. The type of cure and the treatment centre must be the most suitable from the therapeutic point of view.

II. Reimbursement of cure expenses under the health insurance scheme provisions concerning work-related accidents or illnesses (cf. point 17 Appendix II of Agreement 605/ADM between CERN and Austria)

1. Cost of treatment is reimbursed at 100%.

2. Cost of stay is reimbursed at 100% up to the maximum amount of the subsistence allowance applying in the country in which the cure is undertaken; this is subject to presentation of the appropriate bills.
3. Travelling expenses are reimbursed on the basis of the price of a first-class return rail ticket. Travelling time allowed is one day for the outward journey and one day for the return journey; subsistence allowance is calculated at the official rates.

III. Appeals

1. If Austria refuses to authorize the cure (see I.1.), appeals may be lodged in accordance with the procedure set out in Article 12 of the Agreement 605/ADM between CERN and Austria.
2. If the Organization's Medical Adviser does not agree that the cure is linked to a work-related accident or illness, the person concerned can make a written application for medical arbitration within 60 days of notification of refusal. The patient's doctor will then contact the Medical Adviser with a view to reaching agreement either on a joint opinion or on the choice of a third medical practitioner to decide between them.

IV. Procedures

The Social Affairs Section shall be responsible for co-ordinating the above-mentioned procedures.

Socials Affairs
Personnel Division

SEMINARS SEMINAIRES

Monday 18 May

EF SEMINAR

at 11.00 hrs – EF Conference Room
bldg 13, 2-005

Upgrading of LEP energies by sc cavities

by H. LENGELER / CERN-EF

The upgrading of LEP from 55 GeV to energies above 90 GeV is considered. Latest performances and developments of sc cavities with all auxiliary parts are considered. The implications of sc cavities for LEP performances and possible scenarios of upgrading are discussed. The corresponding costs and time schedules are presented.

Monday 18 May

EP SEMINAR

at 16.30 hrs – Auditorium

Charmed lambda baryon production at the ISR A second look

by Mike MEDINNIS / UCLA

The first results on charmed baryon production at the ISR, presented in 1979/80, implied an unexpectedly large cross-section at large Feynman- x_F . New results from R608 will be presented which qualitatively support the earlier experiments. We observe a 5.6σ signal (500 events on a large background) in the reaction $pp \rightarrow \Lambda_c(\rightarrow \Lambda \pi^+ \pi^+ \pi^-) + X$ for $x_F > 0.5$. Differential cross-section estimates in x_F and p_t will be presented as well as evidence for polarization effects in both the production and decay of the Λ_c .

Mardi 19 mai

PRESENTATION TECHNIQUE

de 09.00 à 12.30 h et de 13.30 à 16.30 h
Amphithéâtre DD – bât. 31, 3-005

PHILIPS SA (NL/D/CH) propose un séminaire suivi de démonstrations sur le thème 'liaison instruments de mesure et ordinateurs PC'.

09.00 Présentation société Philips

09.30 Motif de l'automatisation des mesures

10.15 Revue du standard GPIB (General Purpose Interface Bus)

11.30 Fonction GPIB

14.00 Outil et méthode de programmation

15.15 Problèmes de multiplexage entrée/sortie (I/O)

16.00 Exemples et démonstrations.

Matériel prévu : oscilloscope PM 3315; générateur PM 5193; multimètre PM 2535; systèmes PM 2101, PM2120 et 2121; table traçante PM 8153; Oscilloscope PM 3055 + PM 8953; 3 × PC avec moniteur P 3200; générateur PM 5192; oscilloscope PM 3320.

Langues : français (questions possibles en allemand et anglais)

Renseignements : M. Diraison / FI / 4585.

Wednesday 20 May

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Four-dimensional superstrings

by I.A. ANTONIADIS / CERN

A construction of four-dimensional string theories is described using extra free fermions on the world-sheet carrying all internal quantum numbers. The constraints of multiloop modular invariance are solved in a systematic way for arbitrary rational boundary conditions of the fermions and lead to a well-defined set of rules for constructing consistent string theories in four dimensions with $N = 1$ SUSY, interesting gauge groups, chiral families and zero cosmological constant. The general properties of all models are studied and the low energy effective Lagrangian is derived. Some explicit examples of such theories are given. A particular interesting model describes a simple realistic $N = 1$ supersymmetric GUT based on the group $SU(5) \times U(1)$ with many attractive features.

Wednesday 20 May

LEP SEMINAR

at 14.30 hrs – LEP Auditorium
bldg 30, 7th floor

Data management and application software analysis for LEP control

by J. POOLE / CERN-LEP

The analysis of application software uses data structures that have been defined for LEP operation by the database working group. The primary source of data for LEP will be Oracle databases and the required information will be mapped into structures in the control system. The talk will describe the Oracle databases, the control system structures, the application software

scenario and through an example of software analysis, show the interaction of applications programs with the data structures.

Thursday 21 May

ISOLDE SEMINAR

at 10.30 hrs – TH Conference Room

Experimental quests in nuclear astrophysics

by C. ROLFS / University of Münster

Charged particle induced nuclear reactions play a crucial role in the understanding of primordial and stellar nucleosynthesis, as well as of the evolution of various astrophysical scenarios. The experimental investigations of such reactions, in principle to be carried out over a wide range of energies, and to as low an energy as is technically feasible, often require the use of novel experimental approaches.

Thursday 21 May

ISOLDE COMMITTEE

Open session

at 13.00 hrs – Council Chamber

1. *Introductory remarks (C. Thibault).*
2. *Status of the ISOLDE-3 project (B.W. Allardyce).*
3. *Layout of the ISOLDE-3 beamlines (K. Schlösser).*
4. *Proposal: Systematic measurements of the Bohr-Weisskopf effect at ISOLDE (Bonn - Göteborg - Lund Inst. of Techn. - Lyon - Mainz - New York - Orsay Lab. Aimé Cotton - INAM CNAM Paris - Svedberg Acc. Lab. - Uppsala; IP-38; C. Ekström).*
5. *Proposal: Q_β measurements of very neutron-rich nuclei in the mass region around $A=100$ (Braunschweig - CERN collaboration; IP-39; U. Keyser).*
6. *Proposal: Nuclear structure of $N \approx 56$ krypton isotopes (Mainz - Lund - CERN; IP-40; K.-L. Kratz).*
7. *Proposal: Atomic diffusion in alkali metals (Argonne - Berlin - CERN collaboration; IP-41; H. Haas).*
8. *Proposal: Search for peripheral beta decay of very neutron-rich nuclei; (Aarhus - CERN - Göteborg - Madrid collaboration; IP-42; P.G. Hansen).*
9. *Proposal: Investigation of the Gamow-Teller decay of ^{98}Cd ; (Darmstadt - Geneva - Gothenburg - Warsaw collaboration; IP-43; I.S. Grant).*
10. *Proposal: Microscopical studies of structural and electronic properties of semiconductors (Konstanz; IP-44; M. Deicher).*
11. *Status Report: IS100 Octupole states in the radium region (G. Løvholden).*
12. *ISOLDE running in 1987 (H. Haas).*
13. *Any other business.*

Closed session

Friday 22 May at 09.00 hrs, Main Building Conference Room, bldg 60, 6th fl.

Thursday 21 May

PRESENTATION

at 14.00 hrs — DD Auditorium
bldg 31, 3-005

APOLLO's new products announcement

by A. SAINT-GIRONS / APOLLO's
management
R. GAUDERON / Sales representative and
S. GILL / Technical specialist

APOLLO COMPUTER INC., leader in the engineering workstation market, will present its most recent product announcements (hardware and software). The company will also introduce a new and important product called NCS (Network Computing System). NCS permits to distribute individual program modules within an application to computers best suited for the task; modules that can run in parallel are easily distributed to multiple computers at once.

Vendredi 22 mai

PRESENTATION TECHNIQUE

de 09.00 à 16.00 h
Parking PTT, près du bât. 63

VARIAN S.p.A. (I) propose en exposition démonstration une large gamme de matériel pour le vide et l'ultra-vide : pompes mécaniques, cryogéniques, getter, etc.; jauges; vannes; détecteurs de fuite; raccords; joints, etc.

Langues : français, anglais
Renseignements : M. Diraison / FI / 4585.

Friday 22 May

MEETINGS ON

PARTICLE PHYSICS PHENOMENOLOGY

at 11.00 hrs — TH Conference Room

Small x physics in QCD, minijets and unitarity

by J. KWIECINSKI / Krakow

Recent results concerning the quantitative analysis of the gluon distribution in a proton in the limit of small x are reviewed. This includes a discussion of the 'bare perturbative Pomeron' in QCD which corresponds to a sum of the leading powers of $\log 1/x$ beyond the leading $\log Q^2$ approximation and a discussion of the shadowing corrections. An estimate of the cross-section for minijet events which takes into account unitarity effects is presented and its energy dependence is discussed.

Monday 25 May

EF SEMINAR

at 11.00 hrs — EF Conference Room
bldg 13, 2-005

Experiments at the ep collider HERA-H1 and ZEUS

by Wulfrim BARTEL / DESY, Hamburg

Some physics aspects of ep collisions are briefly reviewed. The large energy asymmetry of the two beams

(30 GeV electrons collide with 820 GeV protons) has significant impact on the detector design at HERA. Calorimetry is a central issue for HERA experiments. Two experiments are under construction. The H1-group is building a large liquid argon calorimeter, while the ZEUS-group has a depleted uranium-scintillator calorimeter. The physics aims of the two experiments are complementary. ZEUS is well equipped to measure charged current events. H1 has the potential to detect leptons with high efficiency over the full solid angle.

Monday 25 May

EP SEMINAR

at 16.30 hrs — Auditorium

Nuclear effects in dimuon production by pions

by M. GUANZIROLI / ETH, Zurich

We have measured the cross-sections for massive muon pair production by 140 and 286 GeV/c π^- s on D₂ and W, using the NA10 spectrometer. The data show a nuclear effect on the nucleon quark distributions; a comparison between this observation and the well-known EMC effect will be presented. The ratio of the $d\sigma/dp_t$ differential cross-sections increases with p_t , the dimuon transverse momentum. We also present preliminary results on the A-dependence of the Υ production cross-section.

Tuesday 26 May

MEETING ON

FASTBUS DEVELOPMENTS

at 09.00 hrs — TH Conference Room

1. *The current status of the L3 data acquisition system*
by D. FONG / MIT & CERN
2. *The DELPHI muon chambers read-out system*
by C. STORY / University of Oxford
3. *The read-out controller for the ALEPH electromagnetic calorimeter electronics*
by I. VIDEAU / Ecole polytechnique, Paris
4. *Status report on FASTBUS system management software*
by P. SAETRE / CERN
5. A.O.B.

Mardi 26 mai

SEMINAIRE POUR LES SECRETAIRES

à 11.15 h — Baraque Enseignement
bât. 593, salle 11

Comité des relations avec l'industrie

par O. BARBALAT / Secrétaire de ce Comité

Cet exposé fera le résumé du travail accompli par ce Comité (créé en octobre 1985) afin de discuter de la politique du CERN vis à vis de l'industrie pour tenir compte : a) de l'évolution des industries européennes en ce qui concerne les technologies; b) des nouvelles relations à établir avec ces industries et les autres instituts de recherche européens.

Toute personne intéressée est la bienvenue.

Pour plus d'information, prendre contact avec F. Tetu / DG, tél. 4797.

Tuesday 26 May

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

What neutrinos tell us about the supernova, and vice versa

by A. DE RUJULA / CERN

Wednesday 27 May

LEP SEMINAR

at 14.30 hrs – LEP Auditorium
bldg 30, 7th floor

Lead shielding of the vacuum chambers

by G. CHAPMAN / CERN-LEP

Attention, changement de jours!

**Du lundi 1 au jeudi 4 juin &
du mardi 9 au vendredi 12 juin**

SEMINAIRE 4-DIMENSIONS SUR MACINTOSH

- Deux semaines du lundi au jeudi à raison de huit demi-journées
- Introduction et programmation avec 4e dimension
- Nombre de places limité
- Pour tous renseignements et inscriptions, s'adresser à Mme W. HUG / EP, tél. 3367, le matin de 08.00 à 12.00 h.
- Date limite d'inscription le mercredi 20 mai 1987.

TRAINING AND

EDUCATION ENSEIGNEMENT

ACADEMIC TRAINING

Tel. 2844-3364

18, 19, 20, 21 and 22 May

11.00 hrs to 12.00 hrs – LEP Auditorium
bldg 30, 7th floor

Please note unusual place!

Dynamics of beam diagnostics

by A. HOFMANN / CERN-LEP

20, 21 and 22 May

11.00 hrs to 12.00 hrs – Auditorium

Dark matter and galaxy formation

by R. RUFFINI / University of Rome

INFORMATIONS

GENERALES

GENERAL INFORMATION



AVIS DE DECES

Nous avons le regret d'annoncer le décès de Monsieur Luc VERON survenu le 6 mai 1987.

Monsieur Luc VERON travaillait à la Division ST et était au CERN depuis le 1er mars 1974.

Le Directeur général a envoyé un message de condoléances de la part du personnel du CERN à la famille.

Affaires sociales
Division du Personnel

PROCHAIN CONCERT

Lundi 25 mai 1987, 20.00 h

Amphithéâtre du bâtiment principal

ISABELLE BRUN

Récital de piano

Programme :

- Deux Préludes et Fugues de J.-S. Bach
- Sonate no. 25 de L. van Beethoven, 1^{er} mouvement
- Une Etude de F. Chopin
- Deux Préludes de C. Debussy
- Rhapsodie de J. Brahms

Remarque: Ce concert est offert gracieusement à l'ensemble du personnel et de leur famille, ainsi qu'aux amateurs de piano.

Entrée gratuite en fonction des places disponibles.