

ASSURANCES

1. **Les véhicules appartenant au CERN** sont assurés en responsabilité civile auprès de la Compagnie 'La Suisse', Case postale 1307, 1001 Lausanne, police N° 758.000. Ils ne sont pas assurés en casco.

Les véhicules en 'leasing'/loués par le CERN sont assurés en responsabilité civile et en casco par l'entreprise de location. Les nom et adresse de la Compagnie et le N° de police figurent sur la carte verte.

Ces indications sont nécessaires pour établir le 'Constat européen d'accident automobile'.

Les biens transportés dans les véhicules ci-dessus peuvent faire l'objet d'une demande d'assurance transports (selon procédure 'Demande d'intervention transports-manutention' imprimée sous numéro SCEM N° 54.50.20/153.2).

2. **Le règlement des sinistres** incombe au Service Juridique pour les véhicules appartenant au CERN, au Secrétariat de la Division concernée pour les véhicules en 'leasing'/loués.

Pour les **dommages corporels des membres du personnel du CERN**, le remboursement des frais de traitement est à réclamer à AUSTRIA (selon la procédure habituelle), qui exercera, le cas échéant, son droit de recours contre l'assurance du responsable.

En cas de **faute grave du conducteur**, celui-ci supporte lui-même les conséquences d'un éventuel recours de l'assureur.

Pour tout complément d'information, s'adresser au Service Juridique (tél. 2745 - 3398).

INSURANCE

1. **Vehicles belonging to CERN** have third-party liability insurance cover with the 'La Suisse' Insurance Company, P.O. Box 1307, 1001 Lausanne, under Policy No. 758.000. They do not have fully comprehensive insurance cover.

Vehicles leased or hired by CERN have fully comprehensive and third-party liability insurance cover taken out by the vehicle hire firm. The name and address of the Company and the policy number are entered on the green card.

This information must be entered on the European Accident Statement.

Insurance cover for the **transport of property** in the above-mentioned vehicles may be requested by completing Transport and Handling Application Form SCEM No. 54.50.20/153.2 ('Demande d'intervention transports-manutention').

2. **Settlement of accident claims** shall be the responsibility of the Legal Service in the case of vehicles belonging to CERN and the responsibility of the Secretariat of the Division concerned in the case of leased or hired vehicles.

All claims for reimbursement for the cost of **treatment for physical injuries sustained by members of the CERN personnel** shall be submitted in the usual way to AUSTRIA, which will exercise its right, where appropriate, to file a claim against the insurers of the party responsible for causing the accident.

In the event of a **serious offence**, the driver shall be liable to any claims from the insurers.

For further information, please contact the Legal Service (Tel. 2745 - 3398).

SEMINARS SEMINAIRES

Monday 20 June

SPECIAL PS ACCELERATOR SEMINAR

at 11.00 hrs - Auditorium

Radio frequency and buckets

by E. J. N. WILSON / CERN-PS

The course is intended for anyone with a technical or scientific background who would like to become familiar with the principles of accelerator design. The level of the course is chosen with the intention of preparing those with no specialist knowledge of accelerator theory for the CERN Accelerator School in September, but it will also be of interest to a much wider audience from all the technical Divisions. This is the fifth in a series of seven talks on all aspects of circular machines which will cover in a simple way the principles of focusing, betatron motion, dispersion, chromaticity, radio frequency systems and phase stability and beam instabilities. The special features of electron machines will be emphasized in preparation for LEP.

Lundi 20 juin / Monday 20 June

SEMINAIRE TIS

à 14.30 h - Baraque Enseignement
bât. 593, salle 11

Dosimétrie individuelle (expérience acquise, pratique actuelle et objectifs) / Personal monitoring (past experience, present practice and future trends)

par / by Manfred HÖFERT / Leader of the
Personal Dosimetry Section TIS Radiation
Protection Group

On peut considérer les résultats obtenus dans le domaine du contrôle du personnel comme la preuve fondamentale de l'efficacité des mesures de radioprotection dans les installations. Au CERN, 90% des doses enregistrées se situent au niveau limite de détection du système, et le film-badge ne sert de dosimètre personnel que pour 1% seulement des personnes sous contrôle. Les différents développements de ces dernières années tenant compte

de tous ces facteurs seront décrits, de même que les réalisations possibles dans le contrôle du personnel du CERN.

Results of personal monitoring are regarded as the ultimate proof of the effectiveness of radiation protection measures in an installation. At CERN 90% of the doses recorded remain near the detection limit of the system, and the film-badge serves as a personal dose-meter for only 1% of the persons under individual control. Various developments over the last years which have taken these facts into account will be described, as well as future possibilities in personal monitoring at CERN.

Tuesday 21 June*

SPS SEMINAR

at 11.00 hrs – SPS Auditorium
bldg 864, 1st floor

Luminosity performance of CESR

by Gerry P. JACKSON / FNAL

*** Please note change of day!**

Accelerator measurements and numerical simulation studies were undertaken in order to understand the luminosity performance of the Cornell Electron Storage Ring (CESR). Computer simulation predictions of luminosity near normal CESR operating conditions agreed quantitatively with measurements. The sensitivity of luminosity to such parameters as betatron tunes, chromaticities, sextupole strength distribution and horizontal beam offset, was explored. The inclusion of single beam synchrotron coupling was necessary to achieve quantitative agreement between CESR and simulation data when the vertical betatron tune was lowered to near the vertical integer resonance. All results are interpreted within the framework of incoherent tune shift limitations by single two-dimensional coupling resonances.

Tuesday 21 June

PRESENTATION

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

New announcements by Amdahl

by J. KINDLER & M. EVERS / Amdahl

Amdahl has recently announced its 5990 Series of Processors and the 6100 Storage Processor. The 5900 range consists of a dual-processor and a four-way multi-processor, where each processor is thought to be as fast as 12 CERN units. The 6100 Storage Processor is an innovative modular controller for disk storage offering interesting possibilities for the future.

Mardi 21 juin

PRESENTATION

dans le cadre du support G-64 au CERN

à 14.30 h – Amphithéâtre SPS
bât. 864, 1er étage

Produits et matériels G-64

par la firme française M.I.I.

1. Historique M.I.I.
2. M.I.I. aujourd'hui et demain
3. M.I.I. et OS9
4. Réalisations
5. La gamme M.I.I. G-64
6. Questions et exposition matériel

Langue : français

Renseignements : M. Bornand / SPS / 5275, beep 4208

Wednesday 22 June

PS SEMINAR

at 11.00 hrs – PS Auditorium
bldg 6, 2-024

Studies of wake field acceleration and focusing

by J. NOREM / Argonne National Laboratory

The Argonne Advanced Acceleration Test Facility was designed to study acceleration and focusing using wake fields. Initial experiments have been completed which measure wake fields in plasmas and disk loaded wave-guide structures. Although acceleration fields are not immediately useful, self focusing effects in plasmas (the plasma lens) may be desirable for raising the luminosity of linear colliders such as SLC or a B factory. Studies have been carried out for a possible design of such a lens which would fit inside a HEP detector, and do experiments which would :

1. demonstrate useful focusing and
2. develop components which might be used in real devices.

Wednesday 22 June

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Why is the electron light and the t-quark heavy?

by H. FRITZSCH / University and MPI, Munich

The mass hierarchy observed in the lepton-quark mass spectrum is interpreted as a mass gap effect in analogy to superconductivity and the nuclear pairing force. More specifically an analogy of the fermion mass spectrum with the spectrum of the pseudoscalar mesons in QCD leads to a dynamical mechanism of the mass generation, which involves transitions to heavy states and which can be produced singly in high energy collisions. The masses of the t, b-quarks and of the τ -lepton are measures of the lepton-quark pairing force.

Wednesday 22 June

PRESENTATION

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

The Convex Mini Supercomputers

by F. BAETKE and J. HUNZIKER / Convex Computer Co.

The Convex C-series range of super mini-computers deliver from 20 to 200 Megaflops using vector processing and parallel architectures. This presentation will cover :

- architectural overview and functionality
- computers, vectorization, parallelization, CRAY and VAX compatibility

- operating system
- networking
- performance

Jeudi 23 juin

PRESENTATION TECHNIQUE

09.00 à 12.00 h & 14.00 à 16.00 h
bât. 10, salle 1-005

Medilas AG (CH), représentant Laser Power Optics (USA), Owis GmbH et LaserVision GmbH (D), propose une exposition démonstration de matériels de précision mécanique, optique et systèmes scientifiques associés entourant l'utilisation des lasers. Seront également incluses : lunettes de protection et optiques pour tous les types de laser.

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

Thursday 23 June

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

e^-e^+ colliders in the USSR past, present and future

by A. N. SKRINSKY / I.N.P. Novosibirsk

* Tea & coffee will be served at 16.00 hrs.

Monday 27 June

SPECIAL PS ACCELERATOR SEMINAR

at 11.00 hrs – Auditorium

Electrons and damping

by E. J. N. WILSON / CERN-PS

The course is intended for anyone with a technical or scientific background who would like to become familiar with the principles of accelerator design. The level of the course is chosen with the intention of preparing those with no specialist knowledge of accelerator theory for the CERN Accelerator School in September, but it will also be of interest to a much wider audience from all the technical Divisions. This is the sixth in a series of seven talks on all aspects of circular machines which will cover in a simple way the principles of focusing, betatron motion, dispersion, chromaticity, radio frequency systems and phase stability and beam instabilities. The special features of electron machines will be emphasized in preparation for LEP.

Monday 27 June

OS9 – USER MEETING

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

1. Priam activities
2. Other DD activities
3. News and new products
4. User reports
5. Future Kernel
6. Discussion

Monday 27 June

ELECTRONICS SEMINAR

at 14.00 hrs – Council Chamber

Custom VLSI developments at LBL

by Stewart A. KLEINFELDER / Lawrence
Berkeley Laboratory

Tuesday 28 June

PRESENTATION

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

Motorola Microprocessor developments

by D. McCARTNEY / RISC Products Marketing
Manager & T. TAYLOR / 68000 Products
Marketing Manager, Motorola, East Kilbride

The speakers will present the newly announced RISC processor set, the 88000, and discuss the latest development in the 68000 CISC processor family : the 68030 and 68040.

Language : English

Information : C. Parkman / 3963 / PMN@CERNVM

Friday 1 July*

SPECIAL PS ACCELERATOR SEMINAR

at 11.00 hrs – Auditorium

Space charge and instabilities

by E. J. N. WILSON / CERN-PS

* Please note unusual day!

TRAINING AND

EDUCATION

ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 2844 - 5811

Jeudi 23 juin

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

21 & 23 June

11.00 h to 12.00 h – Auditorium

History of relativity

by J.S. BELL / CERN-TH

CANCELLED