

General Guide-Line

The above procedure is intended to be as informal and as 'light' as possible. For many reasons in dealing with these security incidents, speed is of importance. However a reasonable balance has to be struck between the interests of the Organization and the rights of individuals.

VEHICULES IMMATRICULES EN FRANCE EN SERIE CONSULAIRE ET DIPLOMATIQUE

Les membres du personnel du CERN résidant en France et ayant droit à un véhicule immatriculé en série consulaire ou diplomatique sont informés que leurs conjoints titulaires de cartes de légitimation françaises AT, FI ou 'Assimilé à un membre de Mission diplomatique' peuvent conduire ce véhicule. Cette facilité ne s'applique pas aux enfants ni à d'autres personnes.

Il est rappelé par ailleurs qu'il n'est pas obligatoire d'équiper ce véhicule de phares jaunes.

Relation avec les Pays-Hôtes
Tél. 5152

DRIVING OF VEHICLES REGISTERED IN FRANCE WITH CONSULAR AND DIPLOMATIC LICENCE PLATES

Members of CERN personnel residing in France and having the right to a vehicle with consular or diplomatic plates are informed that it may be driven by their spouses provided they hold French identity documents of the AT, FI or 'Assimilé à un membre de Mission diplomatique' type. This privilege does not apply to their children or to other people.

It should also be noted that such vehicles are not required to have yellow headlights.

Relations with Host States
Tel. 5152

SEMINARS SEMINAIRES

Lundi 28 mai

SEMINAIRE AT-SU

à 11.00 h – Amphithéâtre LEP
bât. 30, 7e étage

**Géodésie, métrologie et topométrie
ou l'art de mesurer des objets démesurés**

par M. MAYOUD / CERN-AT/SU

Le géomètre moderne n'a plus grand chose de commun avec 'l'arpenteur' du proche passé. Plus encore, grâce aux techniques satellitaires, les géodésiens ou cartographes d'aujourd'hui ont pris beaucoup de hauteur par rapport au travail pénible des ingénieurs-géographes d'antan! Dans ces métiers, l'évolution technologique a été rapide et performante, répondant à des besoins variés, apportant des solutions méconnues, qui suscitent à leur tour des demandes nouvelles. Du génie civil à la robotique, en passant par la physique des particules, l'industrie, l'ingénierie et la recherche ont de plus en plus recours aux techniques de la métrologie géodésique. C'est en effet le seul moyen de mesurer précisément des objets de grande dimension, allant de la grosse pièce industrielle... à la terre elle-même.

Monday 28 May

CERN COLLOQUIUM

at 14.30 hrs – Auditorium

**The European Southern Observatory
its role in European astronomy : the very large
telescope project**

by H. VAN DER LAAN / Director-General
of ESO

This talk is prompted by the ESO exhibit in CERN's Microcosm. It will broadly sketch the two topics in the title. ESO is based on a convention, modelled after that of CERN, approved in 1962 and ratified in 1964. In its first 25 years ESO has evolved to assume a leading role in European astronomy, functioning as a research-service organization, a meeting place for exchange and collaborations as well as a centre for astronomy-technology, research and development. All three functions will be illustrated. In December 1987 the ESO council approved the proposal to build the 16-m equivalent very large telescope (VLT). This project, whose size is indicated by its aperture, its capital budget of around MDM 500 and the in-house plus community effort of around 1000 man-years, is

the most ambitious ever in ground-based astronomy. The project's essential features will be outlined in terms of science goals, observing modes, technology features and community involvement.

Monday 28 May

EP SEMINAR

at 16.30 hrs – Auditorium

Direct photon production in $p\bar{p}$ and pp reactions in experiment UA6

by Giuseppe BALLOCCHI / Fellow,
CERN-PPE

The production of direct photons in $p\bar{p}$ and pp reactions has been measured by the UA6 collaboration at $\sqrt{s} = 24.3$ GeV, in the transverse momentum range 4-6 GeV/c. The difference between the direct photons cross-sections in $p\bar{p}$ and pp reactions is compared for the first time with QCD calculations. The determination of the gluon distribution and the QCD constant Λ are discussed. Future prospects for direct photons studies from the full analysis of the UA6 data and from other direct photon experiments are presented.

Tuesday 29 May

SPS EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs – Auditorium

1. *Status report on WA80 (Study of relativistic nucleus-nucleus collisions; H.H. Gutbrod).*
2. *Proposal for a light universal detector for the study of correlations between photons and charged particles (CERN - Geneva Univ. - GSI Darmstadt - Jammu - Kurchatov Inst. Moscow - KVI Groningen - Lund - Münster - Oak Ridge National Lab. - Punjab Univ. of Rajasthan - Univ. of Tennessee - VECC Calcutta collaboration; SPSC 90-14/P 252; H.H. Gutbrod).*
3. *Status report on NA36 (Production of strange baryons and antibaryons in relativistic ion collisions; C.R. Gruhn).*

Closed session

Tuesday 29 May

at 14.00 hrs – bldg 32, room 1 A24

to be continued on Wednesday 30 May

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

Tuesday 29 May

PRIAM PRESENTATION

at 10.00 hrs – CN Auditorium
bldg 31, 3-005

Eltec Elektronik GmbH

Eltec Elektronik are one of the four VMEbus manufacturers subject to a CERN 'blanket purchase' contract. In this presentation they will describe their latest products :

CPU Modules : *The 50MHz Eurocom 6 and the 88000 based Eurocom 80, including their software environments, developments including the Eurocom 7, 68040 based module, and an overview of plans for Futurebus+ designs.*

New Products : *OS9net PLUS, an Ethernet implementation that runs OS9net and TCP/IP concurrently on one LANCE chip, a new counter/timer module, a colour frame grabber and other products for release during the summer of this year.*

Language : English

Organizer : C. Parkman / 3963 / pmn@cernvm

Mercredi 30 mai

PRESENTATION TECHNIQUE

de 09.30 à 11.30 h – bât. 865, 1-D17

Présentation de l'oscilloscope IN 7000, conçu et réalisé par Intertechnique (F)

Caractéristiques particulières

monocoup, bande passante 7 GHz, vitesse de balayage 500 ps plein écran, résolution numérique 1 ps par point, basé sur le principe de scan converter.

Exposé d'une heure suivi de démonstration.

Langue : français

Renseignements : M. Diraison / FI / 4585

Wednesday 30 May

THEORETICAL SEMINAR

at 14.00 – TH Conference Room

QCD anomaly and a surprising internal structure of the quarks

by H. FRITZSCH / University & MPI, Munich

The chiral symmetry of QCD and its breaking by the gluonic anomaly leads to a non-trivial internal spin and flavour structure of the constituent quarks. It implies a systematic violation of the Zweig rule and consequences for the dynamical and static properties of hadrons.

Wednesday 30 May

PRESENTATION

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

QIX : A Distributed operating system for parallel processing

by Charles VOLLUM / Cogent Research, USA

This presentation will focus on the QIX operating system developed by Cogent Research. QIX is a server base distributed operating system that uses the Linda paradigm as the communications model and

looks like Unix. Both the principles of Linda and the implementation of Kernel Linda in QIX will be covered. The OS runs on a Cogent XTM workstation and a 10 Transputer version will be available for a demonstration after the presentation.

Charles Vollum is Founder and President of Cogent Research, a US high tech startup company dedicated to producing desktop supercomputers.

Wednesday 30 May*

EP SEMINAR

at 14.30 hrs – Auditorium

Charm and Beauty at Fermilab

by Jeff SPALDING / Fermilab

Fermilab has a diverse program of charm and beauty physics, initially at fixed-target experiments, and now also at the Tevatron collider. This talk will review the most recent results, describe the present status of the experiments and discuss the prospects for very high statistics charm and beauty experiments in the future.

* Please note unusual day & time!

Thursday 31 May & Friday 1 June

SECOND GENERAL MEETING ON THE pp WORKING GROUPS

at 09.00 hrs _ LEP Auditorium
bldg 30, 7th floor

ECFA Workshop on LHC Physics

Convened by G. ALTARELLI, D. DENEGRI
& F. PAUSS

09.00	Introduction
09.15	Alternative symmetry breaking and exotica
10.45	Discussion
11.00	Coffee break
11.30	New vector bosons
12.45	Discussion
13.00	Lunch
14.00	Supersymmetry
15.30	Discussion
15.45	Coffee break
16.15	Higgs search
18.00	Discussion
18.15	End of the first day

Friday 1 June

at 09.00 hrs – LEP Auditorium
bldg 30, 7th floor

09.00	Standard model processes (also including Total and elastic cross-sections and neutrino physics)
10.45	Discussion
11.00	Coffee break
11.30	Event generators

12.30	Discussion
12.45	Lunch
14.00	b-physics
15.30	Discussion
15.45	Coffee break
16.15	Heavy top
17.45	Discussion
18.00	Conclusion
18.15	End

Thursday 31 May

ISOLDE COMMITTEE

Open session

Thursday 31 May 1990 at 13.00 hrs
Council Chamber

1. *Introductory remarks (B. Jonson)*
2. *Remarks about ISOLDE Future at CERN (P. Darriulat)*
3. *The Booster ISOLDE project (D.J. Simon)*
4. *Status of ISOLDE-3 (B.W. Allardyce)*
5. *Planning of new General Purpose Separator (K. Zimmer)*
6. *IP-77 Proposal : Study of fine structures in ^{14}C emission of radium isotopes; E. Hourani (Orsay - CERN)*
7. *IP-76 Proposal : Studies of exotic decays of Fr, Ra, Ac nuclei via ^{14}C and ^{15}N emissions; R. Bonetti (Milano)*
8. *IP-83 Proposal : Search for reflection asymmetric structures in ^{229}Th ; G. Nyman (Bergen - Gothenburg - Madrid - Mainz - Warsaw - CERN)*
9. *IP-84 Proposal : Time resolved on-line nuclear orientation studies of nuclear relaxation : nuclear g-factor measurements in shorter-lived gold isotopes; N.J. Stone (Delft - CERN - Lund - Manchester - Oxford - NICOLE).*
10. *IP-79 Proposal : Precision measurements of electric quadrupole moments of neutron-deficient Au, Pt and Ir nuclei with NMR-ON in hcp-Co. E. Hagn (Munich - CERN - NICOLE)*
11. *IP-82 Proposal : The structure of ground states and isomeric states of Br isotopes as function of neutron number; P. Herzog (Bonn - Lyon - CERN - NICOLE)*
12. *IP-80 Proposal : Determination of decay energy and Gamow-Teller strength for the ^{98}Cd decay; J. Zylicz (Berlin - GSI Darmstadt - Giessen - Manchester - Warsaw - CERN)*
13. *IP-78 Proposal : In-beam tilted foil polarization at ISOLDE; M. Hass (Oxford - Rehovoth - Rochester - CERN)*
14. *Status report IS210 and IS01-31 : Probing light nuclei at the neutron drip line; O. Tengblad (Aarhus - Darmstadt - Gothenburg - Madrid - CERN)*
15. *Any other business*

Closed session

Friday 1 June at 08.30 hrs
6th floor Conference Room, Administrative building

Thursday 31 May

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium*

The first observation of the decay $K_L \rightarrow \pi^0 \gamma \gamma$ and its implications on direct CP violation searches

by K. KLEINKNECHT / Universität Mainz & CERN

The rare decay mode $K_L \rightarrow \pi^0 \gamma \gamma$ has been observed in the NA31 experiment. The analysis leading to the observation of this decay will be described; the experimental branching ratio will be compared with the values from theoretical models. The considerable implications on the study of direct CP violation with the decay to $K_L \rightarrow \pi^0 e^+ e^-$ will be discussed.

* Tea & coffee will be served at 16.00 hrs.

Friday 1 June

PLENARY ECFA MEETING

at 10.00 hrs - Council Chamber

1. Approval of the Draft Minutes of the Forty-sixth Plenary ECFA Meeting
2. Approval of the Draft Agenda
3. Chairman's Report
4. Status and Future of CLIC Studies (K. Hübner)
5. The CERN Future Programme (C. Rubbia)

LUNCH

6. IHEP Activities and UNK Progress Report (L.D. Soloviev)
7. HERA Progress Report (V. Soergel)
8. The Future of HEP in the US - HEPAP Subcommittee (W. Hoogland)
9. Progress of ECFA - LHC Working Groups
10. Any Other Business

Tuesday 5 June

LEP EXPERIMENTS COMMITTEE

at 09.00 hrs - Auditorium

09.00-10.00 *Status report on LEP (S. Myers, A. Hofmann, M. Placidi)*

Status reports on the experiments and requests for the remaining part of the run in progress

10.00-10.30 DELPHI

10.30-11.00 OPAL

11.00-11.20 Coffee break

11.20-11.50 L3

11.50-12.20 ALEPH

Closed session

Tuesday 5 June at 14.00 hrs

6th floor Conference Room, Administration building

to be continued on Wednesday 6 June at 09.00 hrs
6th floor Conference room

Jeudi 7 juin

PRESENTATION TECHNIQUE

de 14.00 à 15.00 h : exposé

de 15.00 à 16.00 h : démonstration } bât. 17, 1-007

Kontakt-Système AG (CH) présente son programme de matériel de montage en surface SMD (Surface Mounted Devices)

Langue : français

Renseignements : M. Diraison / FI / 4585

TRAINING AND EDUCATION ENSEIGNEMENT

ACADEMIC TRAINING

Tél. 2844-3364

30 & 31 May, 6 & 7 June

11.00 to 12.00 hrs - Auditorium

Microelectronics for particle physicists

by E. HEIJNE & A. MARCHIORO / ECP Div.

PROTON SYNCHROTRON AND SYNCHRO-CYCLOTRON COMMITTEE (PSCC)

The Proton Synchrotron and Synchro-Cyclotron (PSCC) is at present undertaking a review of the LEAR programme in its presently approved and possible future aspects. To this end a Closed PSCC meeting will also be held at Cogne in mid-September. Spokesmen of the LEAR experiments have been invited to inform their Collaborations and to make their intentions and ideas known, without any further commitment, by 1 July 1990. The physics will be grouped into four main areas, and conveners

have been nominated to organize the discussion. I should like to invite all physicists who may be interested in participating in an experiment at LEAR to announce their ideas, either through the channel of an existing collaboration or directly to the conveners. Additional information may be obtained from the PSCC Secretary, Mario Fidecaro.

M. Albrow
Chairman of PSCC