

Session du Conseil, 11 et 12 décembre: Décision sur la restructuration des services techniques et administratifs pour 1986-1988. (Les décisions concernant les Divisions des accélérateurs et de recherche seront prises au début de l'année prochaine.)

Le Directeur général

Council Session, 11 and 12 December: Decision on Technical and Administrative Services restructuring for 1986-1988. (Decisions concerning the Accelerator and Research Divisions will be taken early next year.)

Director-General

SEMINARS SEMINAIRES

Monday 28 October

EF SEMINAR

at 11.00 hrs – EF Conference Room
(Bldg 13, 2-005)

The Stanford Linear Collider (SLC)

by A. MINTEN / CERN

The following topics will be discussed: electron-positron linear colliders; the SLC project; beam dynamics and beamstrahlung. The seminar is meant as an introduction to the subject for a non-expert audience.

Monday 28 October

EP SEMINAR

at 16.30 hrs – Auditorium

Triple Jet Production at the ISR and Determination of the Strong Coupling According to Lowest Order QCD

by Hans Henrik THODBERG / Niels Bohr
Institute, Copenhagen

The Axial Field Spectrometer collaboration has studied pp collisions at 63 GeV using a 2- and a 3-jet trigger. It is demonstrated that a sample of well-separated triple high p_T jet events can be described as due to the QCD bremsstrahlung process. The energy flow of these 3-jet events is presented and compared with an independent fragmentation model. From the ratio between the 3- and 2-jet production cross-sections the strong coupling is determined to lowest order.

Mardi 29 octobre

PRESENTATION TECHNIQUE

de 09.00 à 12.00 h – Parking PTT (bât. 63)

WILLI VÖGTLIN SA (CH) propose la visite de son Heinrichs-Info-bus: débits, indicateurs de niveau et densité.

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

Mardi 29 octobre

PRESENTATION TECHNIQUE

de 10.30 à 11.30 h et de 14.00 à 16.00 h
Bât. 13, 2-005

INDUSTRADE AG (CH), représentant MICROPROSS (F), propose une présentation / démonstration sur le thème 'La conception assistée par programmeur', un sys-

tème universel de programmation de circuits programmables (E2-PROMs, ONECHIPS, PALs, IFLs, etc.), appareil complet, autonome, intelligent et fiable: le ROM 5000 de la Maison Micropross. Convient pour une utilisation décentralisée, permet l'accès à d'autres logiciels tels que ASM et DASM de la plupart des microprocesseurs 8 bit.

Langues: anglais (français éventuellement)

Renseignements: M. Diraison / FI / 4585

Wednesday 30 October

PS SEMINAR

at 11.00 hrs – PS Auditorium
(Bldg 6, 2-024)

Initial operation of the Fermilab antiproton source

by Ernest MALAMUD / Fermilab and
University of Lausanne

The main components of the Fermilab antiproton source are the target station, the debuncher ring (8 GeV), the Accumulator ring (8 GeV), and the beam lines connecting them to each other and to the main ring which has the dual functions of antiproton production (120 GeV) and acceleration / coalescing (150 GeV) prior to injection in the energy doubler (800 GeV). Initial performance of these systems will be described and compared with design goals. Machine experiment data obtained during running in (commissioning) will be presented with special emphasis on the intensive and exciting period from 21 August through 13 October when antiproton-proton collisions were first observed at 1.6 TeV.

Wednesday 30 October

PLEASE NOTE UNUSUAL DAY AND TIME

SPECIAL CERN PARTICLE PHYSICS SEMINAR

at 14.00 hrs – Auditorium

Strange quarks and quark plasma in nuclear collisions at CERN

by J. RAFELSKI / University of Cape Town

Abundant production of strange antibaryons and other strangeness carrying particles is expected in the quark-gluon plasma phase formed in nucleus-nucleus collisions at SPS. Detailed calculations incorporating the effects of reaction dynamics will be presented showing that anti-hyperons will provide a characteristic signal for plasma formation.

Wednesday 30 October

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Exact solutions of non-linear sigma models in two dimensions

by P. WIEGMANN / Landau Institute

Wednesday 30 October

CERN COMPUTER SEMINAR

at 14.00 hrs – DD Amphitheatre
(Bldg 31, 3-005)

Occam, the transputer and its applications

by Richard TAYLOR / INMOS Ltd, Bristol, UK

However much computing power is available, there is always demand for more. Up till now faster circuits and clever architecture have been used to improve computer performance, but these techniques are running out of steam. At the same time VLSI is offering new levels of integration. The transputer is a programmable VLSI component. It consists of a computer on a chip complete with a processor, memory and communication links for connection to other transputers. A system may be constructed from a collection of transputers which operate concurrently and communicate through links. Correspondingly, occam is a language for describing systems as a collection of processes which operate concurrently and communicate through channels. Occam and the transputer were developed hand in hand so that occam represents what the transputer will do most efficiently and the transputer directly supports occam primitives. The transputer makes it easy to construct multiprocessor systems, and a number of programs and systems have been implemented in this way, in the areas of graphics, simulation and signal processing.

On Thursday 31 October, at 10.00 hours, in the DD Amphitheatre, there will be a transputer presentation, including a demonstration of a development system and a multi-transputer configuration.

Wednesday 30 October

SPECIAL CERN COLLOQUIUM

on the occasion of the 100th birthday of Hermann Weyl

at 16.30 hrs – Auditorium*

Hermann Weyl's contribution to physics

by C.N. YANG / University of Stony Brook, NY

* Tea and coffee will be provided at 16.00 hrs.

Thursday 31 October

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

Hunting the Monopole

by D. CAPLIN / Imperial College, London

The IC magnetic monopole detector has run for one year and has been well characterized. The area is 0.2 m² and the exposure to date contributes 30% of the world total. A single event has been seen that is consistent with the passage of a magnetic monopole, and which is not con-

tra-indicated by the associated monitoring devices. Other mechanisms could have generated the event, but none of them appears particularly likely.

* Tea and coffee will be provided at 16.00 hrs.

Monday 4 November

EF SEMINAR

at 11.00 hrs – EF Conference Room
(Bldg 13, 2-005)

SLC experiments and detectors

by C. PRESCOTT / SLAC

Two detectors for the Stanford Linear Collider have been planned for the SLC physics program. Recent developments and new technologies to be incorporated will be discussed. Some interesting experiments will be briefly discussed.

Monday 4 November

EP SEMINAR

at 16.30 hrs – Auditorium

New lambda and anti-lambda hyperon spin polarization results from the ISR

by P. SHERWOOD / CERN-EP

Tuesday 5 November

SPS EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs – Auditorium

1. *Status Report on WA79/CHARM II (Study of Neutrino-Electron Scattering; Brussels-CERN-Hamburg-Moscow-Naples-Rome Collaboration; K. Winter).*
2. *Status Report on WA77 (Search for Direct Production of Gluonium States in High Transverse Momentum Negative Pion-Nucleus Collisions at 300 GeV/c; Athens-Bari-Birmingham-CERN-Paris (Collège de France)-Paris VI University Collaboration; E. Quercigh).*
3. *A 10⁴ Charm Decay Study with Emulsions Coupled to a Magnetic Spectrometer and a High Resolution Vertex Detector (Bologna-Florence-Moscow-Santander Collaboration; G. Di Caporiacco; SPSC 85-60/P 217).*
4. *Proposal for a Test of an Impact Parameter Trigger Aimed at a High Statistics Heavy Quark Study (CERN-Genoa-Milan-Santander Collaboration; L. Rossi; SPSC 85-62/P 218).*

Closed session

at 14.00 hrs – Conference Room, 6th Floor, Administration Building (to be continued on Wednesday 6 November, at 09.00 hrs).

Tuesday 5 November

CERN COLLOQUIUM

at 16.30 hrs – Auditorium

Dark matter in the Universe

by R.J. TAYLER / Astronomy Centre,
University of Sussex, Brighton

Wednesday 6 November

PS SEMINAR

at 11.00 hrs – PS Auditorium
(Bldg 6, 2-024)

Phase stability in linacs

by P. LAPOSTOLLE

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 2844

Jeudi 31 octobre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844-3364

6, 7 and 8 November

11.00 to 12.00 hrs – Auditorium

Symbolic and algebraic computation

by J. FITCH / University of Bath

Computers are an ideal tool for increasing the accuracy of algebraic calculations, and taking the tedium out of pen and paper manipulations. The current generation of algebra systems are drawing on recent advances in mathematics to extend their capabilities beyond human ability. These lectures will describe the methods used to implement algebra on a computer, some of the underlying mathematical theory and the techniques available to users to make the most of the algebraic facilities in the solution of physical problems. The lectures will be illustrated by references to standard available algebra systems.

L'ENERGIE INVISIBLE

Un film de Lynn SILVERMAN
au sujet du run de 1984 et de l'analyse des données à UA1, mercredi 6 novembre à l'Amphithéâtre à 15.00 h.

INVISIBLE ENERGY

A film by Lynn SILVERMAN
about the 1984 UA1 run and data analysis, Wednesday 6 November at 15.00 hrs – Auditorium.

INFORMATIONS

GENERALES

GENERAL INFORMATION

**ADVISORY COMMITTEE OF CERN USERS
(ACCU)**

The next meeting of ACCU will be held on Friday 8 November at 14.00 hrs, with the following agenda :

1. Adoption of agenda
2. Apologies for absence
3. Minutes of previous meeting (CERN/ACCU/23)
4. Matters arising from the minutes
 - a. LEP island sites
5. Availability of items in stores
6. Services charged to users
7. Public relations at CERN
8. Membership 1986/87
9. Any other business
10. Items for agenda of next meeting
11. Date of next meeting

ACCU is the forum for discussion between CERN management and a representative group of CERN users to review the practical means taken by CERN for the work of Users of the Laboratory. User members are :

AUSTRIA

G. Leder

BELGIUM

T. Mouthuy

DENMARK

G. Damgaard

FRANCE

M. Boratav

J. Feltesse

GERMANY

K. Kleinknecht

(Chairman)

H. Siebert

GREECE

C. Kourkoumelis

ITALY

F. Bradamante

V. Gracco

NETHERLANDS

K. Bos

NORWAY

A. Klovning

SPAIN

E. Higon-Rodriguez

SWEDEN

A. Hallgren

SWITZERLAND

M. Werlen

UNITED KINGDOM

M. Albrow

D. Websdale

CERN

C. Fabjan

H. Taureg

CERN management is represented by R. Klapisch (Directorate) and W. Blair/EP, with G.J. Bossen/PE as Secretary. The CERN Staff Association is represented by F. Niebergall. Other members of CERN staff attend as necessary for specific agenda items. Anyone interested in further information about ACCU is welcome to contact the appropriate representative, or the Chairman or Secretary (tel. 4472).