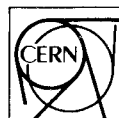
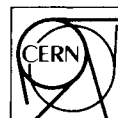
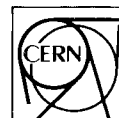


bulletin



WEEK MONDAY 12 SEPTEMBER

n° 37/88

SEMAINE DU LUNDI 12 SEPTEMBRE

SEMINARS SEMINAIRES

Monday 12 September

LEP MACHINE ADVISORY COMMITTEE

Open session

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

- | | | |
|-------|---|-------------------------------------|
| 14.00 | Beam transfer and LEP injection tests | N. Siegel
A. Hofmann
S. Myers |
| 16.00 | Status report on superconducting cavity R&D | Ph. Bernard
H. Lengeler |
| 17.00 | First beam storage in HERA electron ring | G.A. Voss |

Closed session

Tuesday 13 September, at 11.00 hrs,
DG Conference Room, 6th floor, Main Building.

Lundi 12 septembre

PRESENTATION TECHNIQUE

de 15.00 à 16.30 h – bât. 17, 1-007

ISSET (F) propose en démonstration un système de surveillance électronique (vidéo) professionnel.

Moyen de liaison : matériel de transmission d'informations par système radio pouvant émettre et recevoir à distance (de 100 à 30000 mètres).

Applications : sécurité des biens et des personnes, détection incendie.

Langue : français

Renseignements : M. Diraison / FI / 4585

Monday 12 September

EP SEMINAR

at 16.30 hrs - Auditorium

Searching for the quark-gluon plasma : results from the HELIOS experiment

by J. SCHUKRAFT / CERN

After the end of the first round of Heavy Ion experiments at CERN with ^{16}O and ^{32}S beams accelerated in the SPS up to 200 GeV/nucleon, this talk will summarize our present experimental knowledge about

nucleus-nucleus collisions at high energies. The emphasis will be on results from the HELIOS (NA34/2) collaboration on a systematic study of global event features (E_t , multiplicity, inclusive particle spectra) and the search for signals (photons, soft lepton pairs, strange particles) of the quark gluon plasma, conjectured to be formed in ultra-relativistic nuclear collisions. The data will be compared and complemented by results from the other Heavy Ion experiments both at CERN and Brookhaven.

Mardi 13 septembre

PRESENTATION TECHNIQUE

de 14.00 à 16.00 h – bât. 17, 1-007

Dimatel (F), fabricant sous licence C.E.A. des transmetteurs de mesure, propose en démonstration :

– des transmetteurs pour souder (platine, CLTS, Ni), thermocouples (chromel-constantan, fer constantan, platine-platine rhodie 13%, Cu constantan, types K et S), capteurs (pression et jauge de contrainte, force, humidité relative, de déplacement), mesure de niveau par sonde capacitive, courant/tension, courant/courant, 4-20 mA tension/ courant, commande logique EI/L, commande RI/L, 4-20 mA fréquence/courant, fonction régularisation temporisée

– des transmetteurs d'informations par fibre optique, transmetteur comparateur à seuil sortie logique et relais, récepteur de boucle de courant série module bargraph, transmetteur alimentation 24V cc - 24 V cc, alimentation 220 V ac / 24 V cc - 50 mA

– des capteurs force, force traction-compression, pression, position, position et déplacement, déplacement, thermométrie, thermocouples, jauges de contrainte.

Langue : français

Renseignements : M. Diraison / FI / 4585

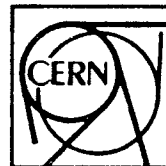
Wednesday 14 September

TECHNICAL PRESENTATION

10.00 to 12.00 hrs – EF Conference Room
bldg 13, 2-005



«ETTORE MAJORANA» CENTRE FOR SCIENTIFIC CULTURE
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH



«SCIENCE, CULTURE AND PEACE» INTERNATIONAL COLLOQUIUM

*in Honour of Victor F. WEISSKOPF
on the occasion of his 80th anniversary*

Organizing Committee:

John KENDREW, Abdus SALAM, Herwig SCHOPPER, Chen N. YANG, Antonino ZICHICHI

19-20 September 1988 - CERN - Auditorium
GENEVA

PROGRAMME

19 SEPTEMBER 1988

SESSION No. 1 14.00h - 16.30h

Chairman: H.SCHOPPER

S. DRELL

E.L. FEINBERG

H.B.G. CASIMIR

A. ZICHICHI

Viki: Scientist, Humanist, Accompanist and Friend

Tribute to Viki

Nightmares and Hope

Super Colliders and Superdetectors: LAA one year after

SESSION No. 2 17.00h - 18.30h

Chairman: A.SALAM

O. NATHAN

W.K.H. PANOFSKY

L. LEPRINCE-RINGUET

The Physicists and the Nuclear Weapons

Academics and Arms Control

Viki L'Européen

20 SEPTEMBER 1988

SESSION No. 3 9.30h - 11.00h

Chairman: J. C. KENDREW

T.D. LEE

D. FRISCH

C.F. V. WEIZSAECKER

The new role of Science: World Lab and CCAST

Mach without Math

Peace in a Nuclear Age

SESSION No. 4 11.30h - 13.00h

Chairman: S.L. GLASHOW

S.C.C. TING

S.R. DE GROOT

N. RAMSEY

Quarks and Leptons: Viki and Experimental Physics

Physics and Encyclopaedism, from Alienation
towards Integration

Quantum Mechanics and Precision Measurements

13.00h - 14.30h LUNCHEON PARTY

to celebrate the first year results of the LAA project

SESSION No. 5 14.30h - 15.30h

Chairman: C. N. YANG

L. LEDERMAN

R.A. SALMERON

R. PEIERLS

Subnuclear Physics from the Stone Age up to now

Weisskopf's human actions

Then and now

SESSION No. 6 15.45h - 17.15h

Chairman: A. ZICHICHI

R. MÖSSBAUER

V. TELEGDI

H. SCHOPPER

M. GELL MANN

V. F. WEISSKOPF

The Solar Neutrino Puzzle

Austrian Physics and Austrian Humor

Science, Culture and Peace

Viki as seen by one of his students

Conclusions and Message

ACL (Advanced CMOS Logic) presentation by Zoltan Varga, GE Solid State München (D), Swiss representative Baerlocher AG.

- *Advantages of ACL Advanced CMOS Logic*
- *Difference between other families*
- *ACL Design Rules*

RCA Advanced CMOS Logic matches bipolar Logic families like FAST, ALS, etc., in Speed, Performance and logic type output drive, but at CMOS power levels. Featuring < 3 ns gate propagation delays, ACL is the fastest CMOS logic yet available. ACL can operate at more than 150 MHz. Output drive capability is 24 mA and 64 mA for FCT-types. This capability enables ACL to drive transmission lines. ACL can be used in several applications, including computers, peripherals, and telecommunications, and in portable and military equipment. Operating temperature for plastic version is -55°C - +125°C.

Language : English

Information : M. Diraison / FI / 4585

Wednesday 14 September

THEORETICAL SEMINAR

at 14.00 hrs – Theory Conference Room

Physics goals of future e^+e^- colliders

by G. KANE / Michigan

Recently more thought has been given to the physics reach of several possible future e^+e^- colliders. I will discuss some options, in terms of rare Z decays, possible ways to study the ZWW vertex, and the surprisingly large physics value of an intermediate energy collider (total energy about 400 GeV, luminosity a few times 10^{32}). Various relevant calculations will be presented, supplemented by some results from the recent Snowmass 88 and SLAC studies.

TRAINING AND EDUCATION ENSEIGNEMENT

SERVICE D'APPUI LINGUISTIQUE

Cours de : ANGLAIS - FRANCAIS - ALLEMAND

Les inscriptions sont ouvertes dès maintenant pour le prochain trimestre
26 septembre au 21 décembre 1988.

Les formulaires d'inscriptions sont à votre disposition en libre service au Bât. 54, rez-de-chaussée face au bureau R-013.
Ces cours s'adressent à toute personne travaillant au Cern ainsi qu'au conjoint, pour certains types de cours.

Wednesday 14 September

LEAR DISCUSSION MEETING

at 16.00 hrs – PS Auditorium
bldg 6, 2-024

Does the OZI rule apply to baryons ?

by M. KARLINER / SLAC & Tel-Aviv

Rare decays of mesons

by T. N. TRUONG / Ecole Polytechnique,
Palaiseau

Thursday 15 September

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Movement and intelligence

by J. C. HAUSMANN / Université de Genève

The problem of moving objects from one position to another (like, for instance, unfolding a music stand) gives rise to very interesting questions in human and artificial intelligence, robotics etc. In this talk, it will be shown how concepts of algebraic and differential topology occur as natural and efficient tools to understand these questions. Conversely, such an approach might be a new source of geometric intuition leading, for instance, to a better understanding of high dimensional manifolds.

* Tea & coffee will be served at 16.00 hrs.

Wednesday 21 September

VAX CLUSTER USERS' MEETING

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