

SEMINARS SEMINAIRES

Monday 20 and Tuesday 21 September

INTERSECTING STORAGE RINGS COMMITTEE

at 09.00 hrs - Auditorium

SPECIAL OPEN MEETING

Comparative review and future perspectives of ISR physics

G. Bellettini: Introduction

A. Zichichi : Perspectives of new physics at low p_t

W. Willis: Search for heavy flavours at the ISR

P. Schlein: Search for glue-balls : ISR versus elsewhere

T. Del Prete : $p\bar{p}$ physics at the ISR

L. Camilleri: Physics with direct photons :
ISR versus elsewhere

I. Otterlund : Physics with light nuclei at the ISR

Lunch break

C. Fabjan: Can exotica be seen at the ISR ?

H.G. Fischer: Tagging jet flavour at the ISR

M. Albrow: Large p_t jets : ISR versus elsewhere

R. Cester-Regge : Charmonium states from $p\bar{p}$
collisions at the ISR

H. Fritzsch: Conclusions

CLOSED SESSION

Tuesday 21 September

at 09.00 hrs - 6th fl. Conf. Room, Adm. bldg.

Monday 20 September

CERN COMPUTER SEMINAR

at 15.00 hrs - Council Room*)

(Note the unusual day, time and place)

Current trends in large computer architecture

by Ron ASHANY**) / IBM Watson Research
Center, Yorktown Heights, USA

The purpose of the seminar is to present the current trends in computer architecture, as they relate to recent technological advances :

- from small machines to supercomputers
- data flow machines and systolic systems
- associative and distributed processing
- aspects of fifth generation computers.

In all the topics the interactions of the various aspects of the architecture : technology, language, algorithms and operating systems will be discussed.

- *) The seminar will last about one and a half hours, with a coffee break around 16.00 hrs.
- **) Dr. Ashany will be at CERN for the whole of Monday 20. If you wish to meet him in the morning, contact P. Palazzi at 4551.

Tuesday 21 September

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium*)

Weak decays of new particles

by George KALMUS / Rutherford Appleton Lab.

This talk will repeat the rapporteur talk given at the XXI International Conference on High Energy Physics, Paris, July 1982.

*) Tea and coffee will be provided at 16.00 hrs.

Wednesday 22 September

THEORETICAL SEMINAR

at 14 hrs - TH Conference Room

The use of the finite energy sum rules for the investigation of the hadron's properties in QCD

by N.V. KRASNIKOV / INR, Moscow

We use the method of the finite energy sum rules for the investigation of the hadron within QCD. In particular, we estimate the values of light quark masses and the proton lifetime in the SU(5) model.

SCIENCE AND SOCIETY LECTURE

at 20.30 hrs - Auditorium

The arms race in outer space

by Allan M. DIN / Lausanne Univ.

On the average more than two of the three satellites presently launched every week by the two superpowers have exclusively military purposes. In addition many satellites have a dual civilian-military utilization mode. The militarization of outer space is likely to reach a critical level during the second half of this decade and concomitantly the risk for triggering – either accidentally or intentionally – a nuclear war will increase considerably. In this respect the emergence of a generation of new weapons including killer satellites and directed energy weapons is very disquieting. Some technological aspects of the present and future arms race in outer space as well as possible control measures will be described.

- *) After the talk a BBC video programme (duration 50 minutes) will be shown to illustrate the outer space arms race in general and the beam weapon prospects in particular.

Thursday 23 September

DD SEMINAR

at 10.00 hrs - DD Auditorium, bldg. 31, 3rd fl.

Technical trends in personal computing

by D. MAC KINNON / IBM Cambridge
Scientific Centre

Personal Computers and Work Stations are currently attracting a great deal of interest. This is a field that is rapidly evolving. The speaker will review therefore what he sees as being the important technical trends.

LEP MACHINE ADVISORY COMMITTEE

OPEN SESSION

ISR Auditorium (bldg. 30, 7th fl.)

14.00 hrs : Status report on dipoles/quadrupoles,
by J.-P. Gourber, C. Wyss

15.15 hrs : Coffee break

15.45 hrs : Surveying for LEP

16.30 hrs : Polarization : solenoidal field compensation
by skew quadrupoles, by B. Montague

CLOSED SESSION

Friday 24 September

at 14.00 hrs - ISR Conf. Room, bldg. 30, 6th fl.

IMPORTANT COMPUTER USERS' MEETING

A very important meeting for the users will be held

at 15.00 hrs - DD Auditorium
(bldg. 31, 3rd fl.)

Subject : discussion of the impact on the user community of :

- closing down several RIOS stations
- removing MFB with some of its peripherals in the beginning of 1983.

This reduction in the computer service is caused by budget restrictions, imposed by the heavy commitments to LEP during 1983.

P. Zanella and E. Gabathuler will be present to discuss the situation and its implications for the users.

Vendredi 24 septembre

PRESENTATION TECHNIQUE

de 09h00 à 13h30 - Site Meyrin,
parking PTT, bât 63
et de 14h00 à 16h00 - Site de Prévessin,
parking du bât. 867

HANS KNURR AG (D), représenté par Knurr AG (CH), propose en exposition un vaste programme de mécanique électronique : armoires, coffrets, accessoires, valise pour outillage, charriots de laboratoire, poste de travail, éléments réfrigérés, meubles de rangement, détecteur de panne, etc.

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

Lundi 27 Septembre

SEMINAIRE ISR

à 14h30 - Amphithéâtre ISR, dernier étage du bât. 30

Dommages causés aux matériaux par les radiations ionisantes

par H. SCHOENBACHER / CERN-HS

La présentation résumera les résultats obtenus des essais de résistance aux rayonnements ionisants sur les matériaux installés autour des accélérateurs du CERN.

Il s'agit surtout d'isolants pour aimants et pour câbles, mais également d'un grand nombre d'équipements auxiliaires tels que tuyaux, joints, lubrifiants, peintures, etc. Elle s'adresse surtout au personnel engagé dans le choix des matériaux pour la construction du LEP. A cause des rayonnements synchrotroniques les doses absorbées seront plus élevées dans cette installation que dans les tunnels des accélérateurs CERN actuels.

Monday 27 September

EP SEMINAR

at 17 hrs - Auditorium

A high resolution silicon detector telescope to measure short lived particles for the NA11 spectrometer

by E. BELAU / MPI, Munich

Silicon strip detectors achieving a spatial resolution of 5 μ m have been developed. Their principles of operation and design will be discussed. Since April 1982 a telescope of 8 such detectors is installed in the NA11 spectrometer to measure production and decay of charmed particles in 200 GeV π^- Be interactions.

Tuesday 28 and Wednesday 29 September

SPS EXPERIMENTS COMMITTEE

OPEN SESSION

28 September at 09.00 hrs - Auditorium

1. Investigation of charm production in hadronic interactions using high-resolution silicon detectors (Amsterdam-Bristol-CERN-Cracow-MPI Munich-Rutherford Collaboration; R. Klanner, SPSC 82-57/P 180).
2. Search for direct production of gluonium states in high $p_T \pi^-$ N-collisions at 350 GeV/c (Athens-Bari-Birmingham-CERN-Paris Collaboration; E. Quercigh; SPSC/82-62/P 181).
3. High energy photoproduction of charm (HOLEBC-EHS photon Collaboration : Brussels-CERN-Mons-Padova-Paris VI-Rome-Serpukhov-Stockholm-Strasbourg-Trieste-Vienna; S. Reucroft; SPSC/82-63/P 182).

CLOSED SESSION

Wednesday 29 September at 09.00 hrs, 6th fl.
Conf. Room, bât. Admin.

Wednesday 29 September

PS SEMINAR

at 11.00 hrs - PS Auditorium

An example of heavy ion fusion reactor scenarios - HIBALL

by K.H. REICH / CERN-PS

SEMINAIRES EF D'AUTOMNE 1982

Cet automne la division EF organise une nouvelle série de séminaires.

Programme préliminaire :

EF AUTUMN SEMINARS 1982

EF Division is organizing a new series of seminars to take place this fall.

Preliminary programme :

4 octobre	Superconducting accelerator cavities by E. HAEBEL	4 October
11 octobre	Les chambres à fils (cours pour non-spécialistes) (1) par H. HILKE	11 October
18 octobre	Les chambres à fils (cours pour non-spécialistes) (2) par H. HILKE	18 October
8 novembre	The LEP experiments by H. HOFFMAN	8 November
15 novembre	Les fondements expérimentaux du modèle des quarks par C. PEYROU	15 November
22 novembre	The high density avalanche chamber for positron imaging by A. JEAUVONS	22 November
29 novembre	Particle identification by dE/dx sampling by W. Tejessy	29 November
6 décembre	Primary ionization in some counter gas mixtures : cluster counting and single electron diffusion by F. PIUZ	6 December
13 décembre	L'holographie en physique des hautes énergies par H. DREVERMANN and P. LECOQ.	13 December

Les séminaires auront lieu le lundi de 11h00 à 12h00 dans la Salle de Conférence EF, bât. 13, 2-005.

The seminars will take place on Monday from 11.00 to 12.00 hrs in the EF Conference Room, bldg. 13, 2-005.