

SEMINARS

SEMINAIRES

Monday 7 September

EP SEMINAR

at 17.00 hrs - Auditorium

'Observation of inclusive D^* production in 175 and 200 GeV negative pion on beryllium interactions'

by M. Bosman / CERN

A search for associated hadronic production of charmed mesons has been performed using a large aperture forward spectrometer set-up in a high energy negative pion beam at the SPS. A prompt single electron trigger selects events with a semi-leptonic decay of one D meson of a particle-antiparticle pair. The hadronic decay of the other D is observed in the spectrometer. Evidence for a $D^ \rightarrow D^0 \pi$ decay chain with $D^0 \rightarrow K \pi$ is presented. Cross-section for inclusive particle-antiparticle production is estimated.*

Tuesday 8 September

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium*)

'Particle Physics in the Early Universe'

by L. Van Hove / CERN

The lecture will discuss some areas of common interest to particle physics and astrophysics, especially early cosmology. After mentioning astrophysical aspects of the photon mass limit and the role of the neutral current weak interaction in stellar collapse, it will recall the standard scenario for the past expansion of the universe. Moving backward in time, it will then briefly treat the following topics: i) early hadronic matter as quark-gluon plasma; ii) electroweak and electronuclear unifications, baryon asymmetry problem; iii) horizon problem and possibilities related to quantum gravity.

*) Note : Those attending this seminar are cordially invited to the Salle des Pas Perdus (just outside the Council Chamber) at 16.00 hrs to meet the speaker and for informal discussions. Tea and coffee will be provided.

Wednesday 9 September

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

'Random Lattice Field Theory'

by T.D. Lee / Columbia Univ., New York

A new type of lattice theory is formulated in which the sites are chosen randomly in space. All physical quantities averaged over such a lattice can therefore be rotationally symmetric. When applied to QCD, it gives a strong coupling expansion quite different from the usual lattice gauge theory; instead, the description of the flux tube and its thickness is almost identical to the string model.

Friday 11 September

ISOLDE SEMINAR

at 14.00 hrs - SC Conference Room

(Building 26/1-025)

'Study of Shell Model Intruder States near Closed Shell Nuclei'

by K. Heyde / Gent

Monday 14 September

ISR SEMINAR

at 14.30 hrs - ISR Auditorium

(Top floor of Building 30)

'Beam Instabilities in Superconducting Recyclotrons'

by A. Schwettman / Stanford

EP SEMINAR

at 17.00 hrs - Auditorium

'First Measurements of the Photon Structure Function'

by Ch. Berger / Phys. Inst. der Technischen Hochschule Aachen

Tuesday 15 September

INTERSECTING STORAGE RINGS COMMITTEE

I - Open Session

at 9.30 hrs in the Council Chamber

1. Information from the Director-General, H. Schopper
2. Discussion of the implications of CERN budget cuts
3. Status report from Experiment R210, G. Carboni
4. Status report from Experiment R211, C. Van der Velde-Wilquet
5. Requested addition of forward detectors in Intersection 8, M. Albrow

II - Closed Session

at 11.30 hrs in the EP Conference Room
(Building 1 - 025)

ISOLDE SEMINAR

at 14.00 hrs - SC Conference Room

(Building 26/1-025)

'The ISOL of Tohoku University, Japan'

by T. Shinozuka / Tohoku

Tuesday 15 September

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

'Remarks on Relativistic Heavy Ion Collisions'

by T.D. Lee / Columbia Univ.

Wednesday 16 September

PS SEMINAR

at 11.00 hrs - PS Auditorium
(Building 6)

'RFQ Linear Accelerator'

by M. Weiss / CERN-PS

Thursday 17 September

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

'Deep Inelastic Lepton-Hadron Scattering :
Structure Functions'

by H. Wahl / CERN

TRAINING AND EDUCATION ENSEIGNEMENT

INFORMATION ON EXTERNAL SEMINARS

The CENTRE FOR PROFESSIONAL ADVANCEMENT (a private American Company offering continuing technical education) regularly organizes seminars in Amsterdam for engineers and engineering managers. The following forthcoming seminars are quoted as examples :

- Effective Project Management
3 days US \$ 800
(1) 23-25 September 1981
(2) 18-20 November 1981
- Managing and Motivating Scientists and Engineers
3 days US \$ 810
4-6 November 1981
- Applied Cost Engineering for Capital Projects - from Planning through Construction
3 days US \$ 1005
16-19 November 1981
- Industrial Corrosion
4 days US \$ 1070
7-10 December 1981.

All seminars take place at the Crest Hotel, Amsterdam.

The costs of these seminars, including travel expenses and time investment are high, but they have to be compared with the losses and delays which occur in badly managed technical projects.

Further information on these and other seminars can be obtained from : E. Fischer - Tel. 5811.

ACADEMIC TRAINING

1981-1982 Programme

HIGH-ENERGY PHYSICS

Degenerate Fermi matter
in the Universe

8 lectures - 1st Term
October 19 to 29, 11h to 12h

R. RUFFINI
University of
Rome

Non-asymptotic effects in QCD

3 lectures - 1st Term
November 9, 10 & 11, 11h to 12h

R. PETRONZIO
CERN

Confinement for non-experts

3 lectures - 1st Term
November 16, 17 & 18, 11h to 12h

W. NAHM
CERN

Quarks for pedestrians

3 lectures - 2nd Term

A. MARTIN
CERN

Experiments at LEP

3-4 lectures - 3rd Term

G. WOLF
DESY, Hamburg

$p\bar{p}$ physics from AA to Z^0

3 lectures - 3rd Term

C. RUBBIA
CERN

La motivation physique de quelques
expériences au CERN. Présentation pour
ingénieurs et physiciens appliqués.

4 lectures - 3rd Term

J.P. LAGNAUX
FNRS, Bruxelles

ENGINEERING & TECHNOLOGY

Surface analytical techniques

5 lectures - 2nd Term

J.C. RIVIERE
AERE Harwell

ACCELERATORS & PARTICLE DETECTORS

Longitudinal and transverse
instabilities in storage rings

7 lectures - 1st Term
December 1, 2, 4, 9, 11, 16 & 18
11h to 12h

A. HOFMANN &
B. ZOTTER
CERN

Experience gained from PETRA

4-5 lectures - 2nd Term

D. DEGELE
DESY, Hamburg

Dynamics of non-linear
fluctuating systems

5 lectures - 3rd Term

H. HAKEN
University of
Stuttgart

OTHER BRANCHES OF PHYSICS

The action of ionizing radiation
on biological systems

5 lectures - 2nd Term

A. KELLERER
University of
Würzburg