

Le Restaurant No 3 à Prévessin sera fermé le jeudi 9 septembre.

Un service restreint sera assuré le jeudi 9 septembre au Restaurant No 1, Bâtiment 501, de 7h30 à 20h00.

Département du Personnel
Tél. 3189/3962

Restaurant No.3 at Prévessin will be closed on Thursday 9 September.

A limited service will be provided on Thursday 9 September at Restaurant No. 1, Building 501, from 7.30 hrs to 20.00 hrs.

Personnel Department
Tel. 3189/3962

SEMINARS SEMINAIRES

Monday 6 September

EP SEMINAR

at 17.00 hrs - Auditorium

Neutrinoless muon decay

by M.D. COOPER / Los Alamos National Laboratory

Recently, a series of experiments to search for neutrinoless muon decay have been undertaken at the meson factories. A review of the theoretical interest in these experiments is presented as a search for physics beyond the standard Weinberg/Salam/Glashow model. Past, present, and future experiments are discussed. The fundamental experimental principles are presented with examples from the LAMPF Crystal Box and the $\mu \rightarrow e\gamma$ search. Special mention is made of the 70 cm cylindrical drift chamber which goes inside the Crystal Box.

Tuesday 7 and Wednesday 8 September

LEP EXPERIMENTS COMMITTEE

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

CLOSED SESSION

Tuesday 7 September

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*)

High energy physics plans in Japan

by K. KONDO / Tsukuba University, Tokyo

Plans and present status of a Japanese e^+e^- collider project, TRISTAN, will be reviewed. This will include descriptions of the colliding machine, time schedule of the project, detectors and physics in the approved experiments. Japanese commitments to a US/Italy/Japan collaboration on the proton-antiproton collider at Fermilab will also be discussed.

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

Wednesday 8 September

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Unravelling higher twists

by R.K. ELLIS / CERN

I describe a novel method of deriving the first power corrections ($1/Q^2$) to the leptoproduction structure functions. The method is based directly on the manipulation of Feynman diagrams. The full QCD result is similar in structure to the naïve parton model with intrinsic transverse momentum. In the operator language the method defines a new basis in which all but the transverse components of covariant derivatives are eliminated by the equations of motion. I derive a constraint on the sign of the $1/Q^2$ terms.

CERN COMPUTER SEMINAR

at 16.00 hrs – Council Room*)

Computer discoveries on the representation of integers by sums of mixed powers

by R.F. CHURCHHOUSE / Cardiff University

The classical theorem of Lagrange tells us that every positive integer can be represented as the sum of four squares of integers but there are an infinity of integers which cannot be represented as the sum of three such squares. In more recent times theorems have been proved relating to the representation of positive integers as sums of cubes, or of fourth powers, etc. The mathematical techniques for proving such theorems range from the elementary to the highly sophisticated. In 1978 the speaker began to investigate the problem of the representation of positive integers by sums of mixed powers; computer runs indicated a variety of results and in due course a number of these were proved but others remain as conjectures, one at least of which may well remain unproved for a long time. The lecture will cover the history of the subject, the computer attack, the results obtained, the theorems proved and the conjectures remaining. No knowledge of number theory or any mathematics beyond elementary algebra and calculus will be assumed or required.

*) Tea and coffee will be served at 15.30 hrs.

Monday 13 September

EP SEMINAR

at 17.00 hrs – Auditorium

Results of the tests made to establish the feasibility of an experiment to detect the birefringence of space induced by a magnetic field in vacuum

by E. IACOPINI / CERN-EP

Mercredi 15 Septembre

LEP PROJECT COMMITTEE

à 14.30 hrs - Amphithéâtre des ISR,
bât. 30, 7e ét.

Présentation de l'étude d'impact du LEP sur l'environnement

par R. LÉVY-MANDEL

SÉANCE OUVERTE / OPEN SESSION

Wednesday 15 September

DD SEMINAR

at 16.00 hrs - DD Auditorium, bldg. 31, 3rd fl.

The CERN-Barbados theorems

by R.F. CHURCHHOUSE, Cardiff University

Thursday 16 September

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

Medical uses of medium energy protons

by B. GOTTSCHALK /

Harvard University Cyclotron Laboratory

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.

TRAINING AND **EDUCATION** **ENSEIGNEMENT**

– Rappel

COURS DE LANGUES LANGUAGE COURSES / 1982-1983

1. COURS D'ANGLAIS

1.1. Cours annuels.

1.1.1 Tous niveaux sauf débutants.

Le bulletin d'inscription et les détails des cours (dates, horaires, etc.) débutant en septembre 1982 et prenant fin en avril 1983 ne feront pas l'objet d'une distribution générale mais sont disponibles dans les Secrétariats de Division. (N.B. Bulletin d'inscription *jaune*.)

Les participants aux cours en 1981-1982 ayant déjà exprimé leur désir de se réinscrire en 1982-1983 ne sont pas tenus de remplir un nouveau bulletin d'inscription.

1.1.2 Débutants

En plus des conditions pédagogiques requises pour que l'apprentissage d'une langue étrangère soit aussi efficace que possible, d'autres facteurs (nombre d'heures par semaine, fréquence des leçons, etc.) jouent un rôle non négligeable surtout aux niveaux élémentaires.

Pour ces raisons, peu de cours pour débutants ont été proposés ces dernières années en dehors des cours semi-intensifs officiels, le planning de ces cours ne permettant pas d'offrir plus de quatre heures par semaine.

Un nombre croissant de demandes à ces niveaux, en dehors du cadre des cours semi-intensifs nous incite à proposer pour la 2ème année consécutive un cours pour débutants d'une durée totale réduite mais avec davantage d'heures par semaine.

Les modalités précises de ce cours sont indiquées sous le sigle EN1C sur la liste complète des cours pour 1982-1983 disponible avec les bulletins d'inscription dans les Secrétariats de Division.

1.2. Cours semi-intensifs

Les informations relatives à ces cours se trouvent sur les bulletins d'inscription bleus, également disponibles dans les Secrétariats de Division.