

Ce sera le SAMEDI 25 AVRIL de 10h00 à 18h00 que le CERN, poursuivant sa traditionnelle politique de "maison de verre", organisera une Journée Portes Ouvertes à Préveessin. Plus de détails la semaine prochaine !

CIRCULAIRE ADMINISTRATIVE

La Circulaire Administrative No. 11 : CATEGORIES DE MEMBRES DU PERSONNEL est maintenant publiée. Elle est disponible AU SECRETARIAT DE VOTRE DIVISION.

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SEMINARS SEMINAIRES

MONDAY 6 APRIL

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
(Top floor of Building 30)

"Reliability and Performance Requirements
of Power Supplies for the ISR Based on
Ten Years' Operational Experience"

by S. Oliver / CERN-ISR

WEDNESDAY 8 APRIL

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

"Dynamical Gauge Bosons From Fundamental
Fermions"

by R. Barbieri / CERN-TH

Abstract : Could fermions be the only fundamental constituents in nature? For instance, could gauge fields be dynamically generated from fermions? I pose this question and show explicitly how this appealing suggestion might be realized in a clan of four-dimensional models. The construction requires flavour (or families) as well as the 'unification' of all gauge couplings at the common Landau pole mass.

DD SEMINAR

at 16.00 hrs - DD Auditorium
(Building 31, third floor)

"Outline of the CASUAL Project :
A Language Processor"

by E. Pagiola / CERN-EP

Abstract : In the near future languages such as ADA and FORTRAN 8x will become available. They

On SATURDAY 25 APRIL, from 10 to 18.00 hrs CERN will be following its traditional "Open House" policy and organizing an "Open Day" on the Préveessin site. More details next week.

ADMINISTRATIVE CIRCULAR

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both will be far more advanced than our present FORTRAN IV. Dubious back compatibility will be likely to slow down a changeover. In this situation, one is tempted to introduce a home-made language which : - guarantees back compatibility with existing FORTRAN IV code; - integrates in the language the most commonly needed facilities (bit and byte manipulation, vector and matrix arithmetics, histograms, graphics, etc.); - permits the definition and smooth usage of structured variables and of data organizations; - simplifies the task of writing code and makes it, within reasonable limits, independent of the detailed layout of the data. This talk outlines the project of a language processor, CASUAL, coming with its own text editor and data base. CASUAL implements the above requirements. It generates FORTRAN IV code, thus guaranteeing back compatibility. It is designed to run interactively, thus unifying the task of code writing and editing. It tries to concentrate a large part of the current difficulties of program writing on variable definition. By automatically learning and updating defined quantities CASUAL opens a number of interesting possibilities.

THURSDAY 9 APRIL

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium (*)

"Measuring the Charges of QCD Jets"

by M. Teper / DESY

Abstract : We introduce a charge measure to determine the charge of the QCD quantum that gives rise to any particular jet of hadrons. The measure is insensitive to charge fluctuations arising from the hadronisation process; and the effects of perturbative branching at current energies are estimated numerically.

**) 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.*

DISCUSSION MEETING

at 14.00 hrs - ISR Auditorium
(Top floor of Building 30)

"Excitation of New Flavours"

The purpose of this meeting is to review and discuss present information about the production of new flavours and in particular of charmed particles in hadron interactions. Recent results on charmed particle production at the ISR will be presented, while evidence from fixed target hadron interactions and neutrino beam dump experiments will also be reviewed.

Introductory talks about ISR experiments will be given by :

A. Putzer (R416), and P. Giusti (R415) covering experiments at the SFM, and by : J. Irion (R606) and P. Schlein (R603).

Furthermore,

A. Kernan will review results from fixed target experiments, and

F. Dydak will review evidence from beam dump experiments.

The meeting is expected to be over by 18.00 hrs and will include a coffee break.

The following meeting will be on a first look at proton-antiproton results and is tentatively scheduled for 18 June.

PS SEMINAR

at 16.00 hrs - PS Auditorium (Bldg.6)

"KEK - PS and TRISTAN"

by Prof. K. Endo / KEK

Abstract : The author will review the improvements brought to the KEK-PS main ring over the last 2 years and describe the new facilities introduced for the 500 MeV proton beam and for the synchrotron radiation source. The present status of TRISTAN will also be presented.

WEDNESDAY 15 APRIL

DD SEMINAR

at 16.00 hrs - DD Auditorium
(Building 31, third floor)

"STELLA - Progress and Future Plans"

by M. Hine and B. Segal

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

JEUDI 9 AVRIL

ENSEIGNEMENT GENERAL

(Tél. 2844)

13h00/13h30 - Amphithéâtre

"Science pour Tous"

par R. Carreras

Le jeudi 9 avril aura lieu le dernier exposé du 2e Trimestre. Il n'y aura pas d'exposés pendant le mois de mai, l'amphithéâtre n'étant pas libre les jeudis 7 et 21 mai, et le jeudi 28 étant un jour férié. La prochaine série des exposés "Science pour Tous" débutera donc le jeudi 4 juin et se terminera le jeudi 30 juillet.

MONDAY 6, TUESDAY 7, WEDNESDAY 8,
THURSDAY 9 AND FRIDAY 10 APRIL

ACADEMIC TRAINING

(Tél. 2844)

at 11.00 hrs - Auditorium

"Introduction to the electro-weak interactions for engineers and applied physicists"

by W. Nahm / CERN

Lectures 6 to 10.

INFORMATIONS **GENERALES** **GENERAL INFORMATION**

PUBLICATION DU BULLETIN HEBDOMADAIRE PENDANT LA PERIODE DE PAQUES - RAPPEL

Cette année, l'édition du Bulletin hebdomadaire de la semaine du lundi 13 avril, couvrira la période de Pâques allant du lundi 13 au vendredi 24 avril. Cette double édition (No. 16-17/81) sera préparée comme d'habitude et distribuée le vendredi 10 avril. Toutes les annonces prévues pour cette période de Pâques devront donc parvenir dans les délais habituels (mardi 7 avril à midi pour distribution du vendredi 10 avril).

Il n'y aura pas de Bulletin distribué la semaine du Vendredi Saint.

L'édition suivante (No.18/81) paraîtra le vendredi 24 avril. Il est souhaitable que les annonces de ce Bulletin nous parviennent dès que possible, et en tous cas pas plus tard que les délais normaux (mardi midi, 21 avril).

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