

COMMUNICATIONS OFFICIELLES

Les membres du personnel sont censés avoir pris connaissance des communications officielles ci-après.

OFFICIAL NEWS

Members of the personnel shall be deemed to have taken note of the news under this heading

APPELS TÉLÉPHONIQUES À LA RÉGION FRONTALIÈRE FRANÇAISE

Il est rappelé aux membres du personnel que la procédure pour appeler la région frontalière française est la suivante :

- composer le '9';
NE PAS COMPOSER LE '0' EN PREMIER LIEU;
- attendre la tonalité continue;
- composer le numéro voulu de la région frontalière française;
NE PAS COMPOSER LE '023' EN PREMIER LIEU.

Groupe Réception
Tél. 2152

TELEPHONE CALLS TO NEARBY FRANCE

Members of the personnel are reminded that the procedure for making calls to nearby France is the following :

- dial '9';
DO NOT DIAL '0' FIRST;
- wait for the dialling tone;
- dial the number required in nearby France;
DO NOT DIAL '023' FIRST.

Reception Group
Tel. 2152

SEMINARS SEMINAIRES

Wednesday 22 August

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

Is supersymmetry found ?

by M. SHER / Univ. of California, Irvine

Ellis and Kowalski have proposed that the UA1 monojet events are due to squarks with masses of $O(40)$ GeV. If so, then the masses of the other sparticles are very tightly constrained and they could be detected within the next few months in experiments looking for the annihilation of electrons and positrons into photons, in W and Z decays, and in missing P_T events in pp collisions. These mass constraints will be discussed in detail and consistency with 'dimensional transmutations' and 'no-scale' models will be shown. An alternative supersymmetric explanation of the monojets (due to Reya and Roy) will also be discussed. Finally, a model independent testable prediction of virtually all supersymmetric models (testable at LEP) will be given.

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

Wednesday 22 August

SPECIAL EP SEMINAR

at 17.00 hrs - Auditorium

Use of the multiwire proportional chambers in protein crystallography

by NGUYEN THU XUONG / Departments of Physics, Chemistry and Biology, University of California at San Diego, La Jolla

In protein crystallography one measures the X ray diffraction maxima of protein crystals to deduce the three-dimensional structures of proteins or enzymes. The old methods using a simple X ray counter or X-ray films are too inefficient. By using the multiwire proportional chambers as X-ray area detectors, we have increased the data collection rate by one or two orders of magnitude. During the seminar, we shall describe our high speed data collection system for protein crystallography and discuss some interesting results obtained by this system.

Monday 27 August

EP SEMINAR

at 17.00 hrs - Auditorium

ASP : A new PEP detector to search for single photons

by Bob WILSON / SLAC

The Anomalous Single Photon (ASP) experiment is a hermetic, non-magnetic, 4π detector designed to search for final states consisting of only weakly interacting particles produced in electron-positron annihilation by using an anomalous single photon tag.

The detector consists of a central calorimeter of lead-glass/PWC layers, which defines the fiducial volume for the measurement. Five layers of thin-walled PWCs surround the beam-pipe in the central region; this provides a track vector pointing to the calorimeter to distinguish whether an electromagnetic shower was initiated by a charged or a neutral (no track) incident particle. The forward, veto, region is covered down to 20 milliradians by