

SEMINARS SEMINAIRES

Monday 29 September

EP SEMINAR

at 16.30 hrs – Auditorium

High statistics charm photoproduction results from Fermilab

by B.R. KUMAR / University of Toronto

Using a silicon microstrip vertex detector Fermilab experiment E691 has obtained a large charm sample in photoproduction. Lifetime results from about 1000 D^+ , 1300 D^0 , and 35 F decays will be presented. This represents 30% of the full data sample for the D and 15% for the F .

Wednesday 1 October

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

On the discovery of very high energy point sources

by F. HALZEN / CERN

A cosmic accelerator such as Cygnus X-3 has a luminosity of at least 1 million suns. This observation may resolve the long-standing question of the origin of very high energy cosmic rays. Its flux at Earth is roughly 10^7 photons $\text{km}^{-2} \text{year}^{-1}$ with energy $1-10^5$ TeV. We discuss tagged photon experiments exploring particle physics in this energy range. Possible underground muon observations of point sources raise rather than answer questions. We discuss these questions in the context of some recent observations.

Wednesday 1 October

LEP SEMINAR

at 14.30 hrs – LEP Auditorium
bldg 30, 7th floor

Synchrotron radiation induced gas desorption in the LEP vacuum chambers

by A.G. MATHEWSON / CERN-LEP

Results are presented on a series of measurements of synchrotron radiation induced gas desorption from LEP vacuum chambers installed in a dedicated beam line on the DCI machine at the LURE Laboratory Orsay, France. The gas desorption mechanism via photoelectrons is confirmed and predictions are made concerning the expected beam-residual gas lifetime in LEP at 20 GeV. In addition, measurements of the distribution of the scattered synchrotron radiation around the vacuum chamber and of the angle of incidence dependence of the gas desorption have been made.

Friday 3 October

MEETINGS ON PARTICLE PHYSICS PHENOMENOLOGY

at 11.00 hrs – TH Conference Room

– Status of SPS $^{16}\text{O} + \text{A}$ 200 GeV runs

by Spokesmen of NA34, 35, 36, 38; WA80

– Discussion on nuclear stopping power

by M. GYULASSY / CERN and LBL

Spokesmen of approved heavy ion experiments utilizing the new ^{16}O beam at the SPS will give an update of the status of those experiments. A discussion of current theoretical issues on nuclear stopping power at high energies and their implications for the production of high baryon density quark gluon plasmas will follow.

Mardi 7 octobre

PRESENTATION

à 10.00 h – DD Amphithéâtre
bât 31, 3-005

Le réseau local LAC : moyen de communication directe en milieu hétérogène

par C. RYCKEBOER / Compex S.A.

Tuesday 7 October

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Experimental tests of the physics principles of new acceleration methods for linear colliders

by David B. CLINE / University of Wisconsin, Madison

Wednesday 8 October

PS SEMINAR

at 11.00 hrs – PS Auditorium
bldg 6, 2-024

Heavy ion reactions at CERN

by Reinhard STOCK / University of Frankfurt

Wednesday 8 October

LEP SEMINAR

at 14.30 hrs – LEP Auditorium
bldg 30, 7th floor

Filtering and compensating equipment for the LEP 18 kV network

by J. PEDERSEN / CERN-LEP

Thursday 9 October

PRESENTATION

at 14.00 hrs – DD Auditorium
bldg 31, 3-005

Digital Equipment introduces the VAXmate

by Richard STRAUB / Digital Equipment, Zurich, Worksystems Marketing Manager