

INFORMATION DE LA DIVISION SB REMISE EN ÉTAT DE LA CHEMINÉE DE LA CENTRALE THERMIQUE DU SITE MEYRIN

Installée en 1955 dès le début du CERN, et après 28 ans de service sans avoir subi aucune opération d'entretien, la cheminée de la centrale thermique, à proximité de l'entrée principale du site de Meyrin, fait actuellement l'objet de certains travaux de remise en état.

En effet, au cours de l'hiver dernier, une partie de la pièce de couronnement en fonte ainsi que des éclats pro-

venant du fût en béton de la cheminée sont tombés au sol, heureusement sans occasionner de dégâts corporels ou matériels.

Pendant la période d'arrêt de la centrale thermique d'ici à fin septembre, le couronnement de la cheminée, ainsi que le briquetage de la partie supérieure seront refaits. Une protection sera également appliquée sur le manteau en béton, l'exposition aux intempéries sur une si longue durée lui ayant provoqué certains dommages.

SB/EE

SEMINARS SEMINAIRES

Monday 18 July

EP SEMINAR

at 17.00 hrs – Auditorium

Mark II Detector at the SLAC Linear Collider

by Gail HANSON / SLAC

The Mark II detector at PEP will be upgraded as the first detector for the SLAC Linear Collider. A new drift chamber and endcap calorimeters are being built. The design and expected performance of the new detector for Z^0 physics will be presented.

Tuesday 19 July

DD SEMINAR

at 16.00 hrs – DD Amphitheatre
(Bldg. 31, 3rd floor)

WATERLOO-MICRONET: A network of personal workstations

by D. COWAN / University of Waterloo

The computer systems group of the University of Waterloo has designed and implemented a network consisting of IBM Personal Computers, Series/1 microcomputers and 4300 mainframes. The IBM Personal Computer can either operate in stand-alone mode, can use the mainframe computers as file servers or can operate as an ASCII, IBM 3101, or IBM 3270 terminal to the mainframe. The same software operates on both the Personal Computers and the mainframes and includes an Editor, language processors for APL, BASIC, COBOL, FORTRAN, and PASCAL and a Data Base System. The seminar will describe the structure and evolution of both the hardware and software of WATERLOO-MICRONET.

Wednesday 20 July

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Conformal gravity and Kaluza-Klein theory

by G. HORWITZ / Hebrew University,
Jerusalem

Wednesday 20 July

DD SEMINAR

at 16.00 hrs – DD Amphitheatre
(Bldg. 31, 3rd floor)

Towards Computerbased Message Exchange Services in Europe

by Dr. R. SPETH / University of Düsseldorf

In order to provide European-wide Computerbased Message Exchange Services, different possibilities can be envisaged. The GILT project has adopted a solution based on the interconnection of local and independent computerbased message systems (CBMSs) by suitable communication protocols. The presentation will review the various possibilities and will detail the GILT solution.

Monday 25 July

EP SEMINAR

at 17.00 hrs – Auditorium

Second order QCD effects and gluon fragmentation in e^+e^- - annihilation

by Siegfried BETHKE / University of Heidelberg

Results are presented on final states of the reaction $e^+e^- \rightarrow$ hadrons at centre of mass energies up to 37 GeV recorded in the JADE experiment at PETRA. We observe a number of events at large acoplanarity and an increase of the transverse momentum for those events which is not consistent with the predictions of first order QCD models. A good description of all data is achieved taking into account the production of four-jet-events due to the second order QCD. Furthermore the fragmentation of quarks and gluons in three-jet-events was investigated. The mean transverse momentum of particles in the lowest energy (preferentially gluon) jet is found to be larger than that of the other jets at comparable energies. The difference cannot be reproduced by models with identical quark and gluon fragmentation.