

SEMINARS

CERN SEMINARS

Tuesday, October 21
16.30 h
Auditorium

"Results of the total cross section measurements at Serpukhov"
G. Giacomelli / Bologna

Wednesday, October 22
11.00 h
Theory Conference Room

"Triggerable track chambers : liquid cloud chamber, crystal chamber, extraction chamber and liquid spark chamber".
Dr. A. Pisarev / JINR - Dubna.

Friday, October 24
16.30 h
Auditorium

"Nucleon interactions with nuclei" (review talk given at the Columbia Conference)
P.C. Gugelot / University of Virginia

PHYSICS III SEMINAR

Monday, October 20
16.30 h
Theory Conference Room

"Review of recent experimental results on muonic atoms"
R. Engfer / CERN

CERN COLLOQUIUM

Thursday, October 23
16.30 h
Auditorium

"Gravitational Waves"
R. Sexl / Vienna

Abstract : The experiments of Joseph Weber (Maryland) indicate that gravitational waves of surprisingly high intensity (energy flux 10^4 erg/cm² sec.) are incident upon the earth. Approximately one burst of radiation, lasting about 1 sec., has been observed per day. The most likely explanation for the origin of these waves is a series of gravitational collapses taking place in the centre of our galaxy. The energy radiated by our galaxy in the form of gravitational waves has been estimated to be between 20 and 500 solar masses per year.

COMPUTER SEMINAR

Tuesday, October 21
14.30 h
Council Chamber

"The NPL Data Communication Network - its design and its significance"
Dr. R.A. Scantlebury / National Physical Laboratory, Teddington, England

Abstract : The suggestion has been made in U.K. that an independent data communication network, separate from the telephone network, is required. Proposals for the form that this network might take have been put forward by the N.P.L. among others and backed by a certain amount of design study.

In order to gain practical experience of the problems involved in the store-and-forward system proposed, an experimental network is being built within the N.P.L. This will also provide a service to the laboratory. Subscribers to the network will include teletype and V.D.U. terminals, data logging devices, small computers as well as large multi-access and batch processing processors. Connections to off-site services are also envisaged.

Lecture Series Cours

CURRENT INFORMATION ABOUT LECTURE SERIES
ARRANGED BY THE TRAINING AND EDUCATION
SERVICES IS GIVEN IN THE ATTACHED CALENDAR

L'INFORMATION COURANTE SUR LES COURS ORGANISES PAR LE SERVICE DE L'ENSEIGNEMENT EST DONNEE DANS LE CALENDRIER CI-JOINT

INFORMATIONS COMPLEMENTAIRES:

ADDITIONAL INFORMATION

ACADEMIC TRAINING

"K-decay and CP-violation"
by J. Steinberger

This series of 6 lectures in Experimental Physics will start on Wednesday 22 October at 11.00 in the Auditorium.

Programme :

1. The K^0 system, mass matrix and unitary relation,
2. Main experimental results on $K \rightarrow 2\pi$, $K \rightarrow 3\pi$, $K \rightarrow \ell\pi\nu$
3. Phenomenology of CP violation in K^0 decay,
4. CP violating models.