

seminars

PHYSICS I - ELECTRONICS EXPERIMENTS COMMITTEE

Monday, April 10

14.30

Theory Conference Room
(please note the change of place)

Open Session

1. Status report on experiment S109 to measure the $K_{e2}/K_{\mu2}$ branching ratio, by CERN-Heidelberg K_{e2} Group, PH I/COM-72/10, presented by A. Wagner.
2. Status report on experiment S100 on K^+n elastic scattering, by CERN-Caen Collaboration, PH I/COM-72/7, presented by M. Ferro-Luzzi.
3. Proposal to measure the real part of the forward scattering amplitude in meson-nucleon collisions by means of the elastic scattering in the Coulomb-nuclear interference region, by CERN-Caen, PH I/COM-72/8, presented by R.D. Tripp.

Tuesday, April 11

09.00

NP Conference Room

Closed Session

CERN PARTICLE PHYSICS SEMINARS

Tuesday, April 11

11.00

Theory Conference Room

"Experimental Results on Photoproduction of Φ Mesons at SLAC"
D.M. Ritson / Stanford University

Friday, April 14

16.30

Theory Conference Room

"An Experimental Search for $K_L^0 \rightarrow \mu^+ \mu^-$ "
R.P. Johnson / Lawrence Radiation Laboratory, Berkeley

PHYSICS III SEMINAR

Monday, April 17

11.00

Theory Conference Room

"Inclusive Proton-Nucleus Scattering of High Energies"
O. Kofoed-Hansen / CERN

CERN APPLIED PHYSICS SEMINAR

Monday, April 17

14.30

Council Chamber

"Use of a Distributed Parameter Model for Studying General Systems"
Y. Kaya / Tokyo

Abstract : Our society is a complex mixture of economic, social, technical and environmental phenomena which constitute a so-called general system. Among many methods for studying its behaviour, simulation of the system is one of the most important and useful ones. Its success, however, depends mainly on degrees of complexity of the structure of the model so that the problem is how to build a model of simplified structure and yet keeping the essence of the system concerned.

To be presented is a new type of the world dynamic model, an analogue of a physical distributed parameter process like a heat exchanger, of which structure is very much simplified by use of partial differential equations. The work is still under way but the basic model structure and difficulties lying in a modeling process will be discussed with some results of pilot simulation run.

CERN COLLOQUIUM

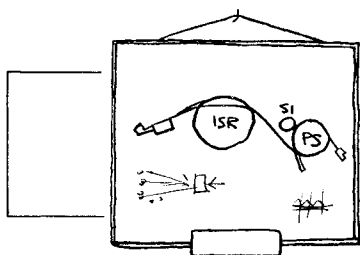
Tuesday, April 18
16.30
Auditorium

"From Space Charge and Mud to Plasmas and "Trinity" : a Personal History of the Manhattan or Atomic Bomb Project"
F.H. Schmidt / CERN - Univ. of Washington

Abstract : Nuclear Fission of Uranium was discovered in January 1939. Within a year about 100 papers had appeared on the process, and the main facts were known to the scientific community.

Shortly after Pearl Harbor, December 7, 1941, intensive work began in Berkeley to separate the isotope ^{235}U by electromagnetic methods. The purpose was to produce a decisive weapon. Work at Berkeley and other laboratories was consolidated in mid-1942 under the direction of the Manhattan District of the U.S. Army Engineers, and the whole project thus became known as the 'Manhattan Project'.

The talk will cover some of the physics problems encountered, intermixed with personal experiences in Berkeley, Oak Ridge, and Los Alamos, and with personal motivations, fears, crises and doubts.



enseignement

ACADEMIC TRAINING

11.00
Auditorium

on the following
dates :

Tuesday, April 18

Wednesday, April 19

Thursday, April 20

Tuesday, April 25

Wednesday, April 26

Thursday, April 27

COMPUTERS

"Use of the CDC 7600 Computer"
by DD Staff

This series of 6 lectures will describe the most important new facilities available with the CDC 7600 computer system as well as the program conversion problems which are expected to arise.

1. "The 7600 Computer and its organization"
by T. Bloch
2. "INTERCOM", by D. Rösner
3. "FORTRAN Extended and its Debug Facilities",
by J. Livesey
4. "The use of Magnetic Tapes (7-track, 9-track, error procedures)"
by J. Blake
5. "Permanent Files and Random Access Facilities", by J. Blake
6. "Conversion Problems and how to resolve them" by S. Kurjo.

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ENSEIGNEMENT TECHNIQUECOURS DE "MATHEMATIQUES 1B" (MT1B)

Nous vous informons que le cours de Mathématiques 1B (MT1B) du mercredi 12 avril 1972 est supprimé et reporté au 19 avril 1972 à l'heure et au local habituels.

COURS DE "MATHEMATIQUES 2A" (MT2A)

Nous vous informons que le cours de Mathématiques 2A (MT2A) du mardi 11 avril 1972 est supprimé et reporté au 18 avril 1972 à l'heure et au local habituels.

COURS DE "FORTRAN IV" (FT2A)

Nous vous informons que le cours de Fortran IV (FT2A) des lundi 10 et jeudi 13 avril 1972 aura lieu dans la baraque 555 et non à l'Amphithéâtre.