

MONDAY 24 JANUARY

EP SEMINAR

at 11.00 hrs - EF Conference Room
(Lab.13-2-005)

"Results on $\pi^- p \rightarrow \pi^+ \pi^- \pi^0 n$ at 12 and 15 GeV/c
from the Omega Spectrometer"

by K. Sumorok / Rutherford

Abstract : A 3π partial wave analysis has been performed on the charge exchange reaction $\pi^- p \rightarrow \pi^+ \pi^- \pi^0 n$ at 12 and 15 GeV/c incident momenta in a mass range up to 2.2 GeV/c². Strong production of $\omega(780)$, $A_2(1310)$ and $\omega(1675)$ is observed and density matrix elements are presented.

CERN COMPUTER SEMINAR

at 14.00 hrs - Auditorium

"Parallel Computing, a Pleasure and a Pain"

by N. Lincoln / Control Data Corporation,
Minneapolis, USA

Abstract : A brief survey of the history of parallel computing from the Illiac IV up to the present day large vector and array processors will be presented. The problems and possibilities of parallel computing for various applications will be discussed with examples from such computers as the CDC STAR-100, the Cray-1 and the TI ASC.

CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - Theory Conference Room

"An Observation of a Very Narrow Heavy Resonance in pp Total Cross-Section"

by B. Pietrzyk / University of Heidelberg

Abstract : A heavy (1939 ± 3 MeV) and very narrow ($\Gamma < 4$ MeV) resonance has been observed in a counter experiment. A reason for the narrow width may be the same as for J/ψ particle: the Zweig-Iizuka rule for the diquark-diantiquark system - a new type of-onium. A full spectrum of similar states is expected. Experimental results and theoretical speculations will be presented.

TUESDAY 25 JANUARY

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

"20 Years of DESY, Highlights and Question-Marks"

by W. Jentschke / University of Hamburg

Abstract : After reviewing the story of the foundation of the high energy laboratory DESY, the development from its early years up to the present will be outlined.

Some of the physics results achieved within the last 10 years with high energy beams and with synchrotron radiation will be mentioned.

FRIDAY 28 JANUARY

DISCUSSION MEETING

at 16.00 hrs - Auditorium

"Does the Drell-Yan Mechanism Work ?"

by L. Lederman, C.H. Llewellyn Smith,
G. Preparata

Abstract : The Drell-Yan mechanism gives an attractively simple picture of lepton pair production in hadron collisions. It has been much relied on in extrapolating to higher energy in connection with new accelerator proposals. But are the essential features of the picture really apparent in present data ?

TRAINING AND EDUCATION ENSEIGNEMENT

WEDNESDAY 26 JANUARY

ACADEMIC TRAINING

at 16.30 hrs - Auditorium

"General Science Monthly Cross-Section"

by R. Carreras

Abstract : The main purpose of these monthly lectures is to provide the scientific and the technical staff with regular information on what is going on in science outside high energy physics and related fields. The lectures are mainly based on a number of papers, articles and news items published the previous months.

ACADEMIC TRAINING - 2nd Term Programme

at 11.00 hrs - Auditorium

February 2, 3, 4 & 8 : "The new particles and their spectroscopy", by J.D. Jackson / University of California, Berkeley

February 23, 24 & 25 : "Properties of materials and components at cryogenic temperatures", by M. Van de Voorde / Euratom and CERN

March 2, 3, 4, 8 & 9 : "Polarization analysis and high-energy experiments", by L. Michel / Institut des Hautes Etudes Scientifiques, Bures-sur-Yvette

March 29, 30 & 31 : "Transition radiation and total absorption detectors", by W. Willis / CERN.

Additional information about the content and the level of each series of lectures will be announced in due course in the weekly Bulletin and on noticeboards.

Training & Education Service/
Secretariat: Tel. 2844