

SEMINARS SEMINAIRES

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.

BEBC USER'S GROUP

at 13.45 hrs - Council Chamber

Agenda for the Third Meeting

1. SPSC Report.
2. Discussion of Newsletter II and Progress Reports on SPS, BEBC, Beams, etc.
3. Fast, fast-slow and slow ejection method from SPS (B. de Raad).
4. EPI Report (I. Lehraus).
5. Data handling and DST for neutrino experiments (G. Kellner).

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.

TUESDAY 25 & WEDNESDAY 26 JANUARY

SPS EXPERIMENTS COMMITTEE

- Open Session / Tuesday 25 January

at 9.30 hrs - Auditorium

1. Extension of the Narrow Band Beam Experiment with Gargamelle to Antineutrino Running at High Energy with the Use of a Trigger (Bergen-CERN-Ecole Polytechnique-Orsay Collaboration; Ph. Heusse; SPSC/76-103/P 53/Add.1/P 46/Add.5).
2. Measurement of the Multiplicity Correlations of Protons and Pions in Hadron-Nucleus Collisions below 100 GeV (Darmstadt-Heidelberg-Virginia-Warsaw Collaboration; B. Povh; SPSC/76-102/P 79).
3. Proposal to Study Negatively Charged Hyperon Induced Reactions and p Annihilations at SPS Energies (Bari-Strasbourg Collaboration; A. Fridman and F. Waldner; SPSC/77-1/P 80).

- Closed Session / Wednesday 26 January

at 9.30 hrs - Conference Room, 6th floor,
Administration Building.

WEDNESDAY 26 JANUARY

SPS SEMINAR

at 16.30 hrs - SPS Auditorium

"Status of the SPS Machine Studies"

by B. de Raad

Abstract : The first phase of the commissioning of the SPS has been completed and the SPS now operates regularly for physics. The lecture will summarize the machine studies since September 1976 and will describe the present status and performance of the SPS, i.e. cycles, intensity, extraction, etc...

THURSDAY 27 JANUARY

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

"Decisions for Future Energy Systems"

by R. Schulten / Kernforschungsanlage
Jülich

Abstract : It is assumed today that nuclear energy will be the main source of energy for a