

seminars

SPECIAL MEETING

19 - 23 January 1976
Council Chamber

"Topical Meeting on Multidimensional Data Analysis"

The morning sessions will begin at 09.00 hrs and the afternoon sessions will begin at 14.30 hrs.

CERN NUCLEAR PHYSICS SEMINARS

Monday, January 19
11.00
Theory Conference Room

"A Search for narrow resonances in the $\bar{p}p$ system at low energy"
by M. Cresti / CERN/PADUA

Abstract : The results of a bubble chamber experiment on the total and topological $\bar{p}p$ cross sections between 306 and 551 MeV/c will be presented. Supporting evidence for a structure at 1930-1940 MeV has been found. The interpretation of the effect as a simple resonance is however difficult.

Monday, January 26
11.00
Theory Conference Room

"A study of the three-body break-up mechanisms in the reaction $^2\text{H}(\text{P}, 2\text{P})\text{N}$ at 600 and 800 MeV "

by M. Furić / CERN-Institute R. Bošković, Zagreb
Abstract : Kinematically complete experiments involving $^2\text{H}(\text{P}, 2\text{P})\text{N}$ reactions were performed at 600 MeV (SREL) and 800 MeV (LAMPF) using Multi Wire Proportional Counters. Quasi-free Scattering and Final State Interaction mechanisms were observed. Although the global features of the spectra can be explained using pole graph models, dramatic discrepancies were observed in some regions of the phase space.

CERN COLLOQUIUM

Tuesday, January 20
16.30
Auditorium

"High Temperature Plasmas : Experiments, Theory, and the n τ Breakthrough"

by B. Coppi / MIT

Abstract : Some of the most significant experiments for the investigation of magnetically confined plasmas with temperatures of thermonuclear interest are described. Their relevance to the investigation of astrophysical plasmas, such as those characteristic of well known X-ray stars is also pointed out. The main theoretical problems, involving the understanding of the effects of collective modes, such as microinstabilities, versus the more familiar effects of discrete particle collisions are indicated. Results obtained from the Alcator device of M.I.T. that have led to uncovering a variety of new plasma regimes and to achieving record values of plasma densities and confinements times are presented.

JOINT COLLOQUIUM

Tuesday, January 27
16.30
Auditorium

"Report on Chicago Conference on 'Biological effects of low level radiation pertinent to the protection of man and his environment' "

by J. Baarli and J.P. Diss / CERN
Abstract : Radiation protection standards are derived from radiobiological knowledge which is well known for high doses and doses rates. Genetic as well as somatic damage arising from low level radiation exposure is still under investigation and has been subject for several conferences during the last years.

The recent Chicago meeting (IAEA and WHO) was again devoted to this particular problem in order to review the existing radiation protection standards. Results presented at this conference will be discussed.

cern information

ON RECHERCHE ...

- La personne qui aurait utilisé le dictionnaire "Petit Robert" est priée de le rapporter sans tarder à Mlle G. Félizat/PS(Bât. 19,2-029).
- La personne qui a emprunté en décembre dernier dans le Hall 169, près de la grande porte Nord, un chariot bas (cadre et timon grenats, équipé de huit roues à pneu) est priée de le remettre à cette place.