

seminars

CERN NUCLEAR PHYSICS SEMINARS

Monday, February 16
11.00
Theory Conference Room

" Δ_{33} - Isobar dynamics in very light nuclei : Pion Scattering and Pion absorption"

by W. Weise / University of Erlangen

Abstract : 1) Pion elastic scattering is described as coupling of a pion field to correlated Δ -isobar-hole states. Interactions of the isobar with surrounding nucleons are found to be significant in π - ^4He scattering.

2) The reaction $\pi^+ d \rightarrow pp$ is studied in a model which essentially involves isobar excitation and rescattering through π and p exchange and gives a satisfactory description of data without use of long ranged cutoffs.

Monday, February 23
11.00
Theory Conference Room

"Fragmentation reactions with relativistic heavy ions"

by J. Hüfner / University of Heidelberg

Abstract : The data from Berkeley about fragmentation reactions like $^{16}\text{O} + ^9\text{Be} \rightarrow ^AZ + X$ at 2 GeV/nucleon have stirred quite some interest. We present calculations within a two-step model which reproduce (without free parameter) total cross sections and momentum distributions.

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EP SEMINARS

Monday, February 16
11.00
Large Conference Room
(Lab. 13 - 2.005)

"Recent Results from Antiproton Annihilations"

by H. Muirhead / CERN-Liverpool

Abstract : Three topics will be discussed :

- 1) Is antiproton annihilation central or peripheral ?
- 2) Mechanisms in $\bar{p}p$ annihilation and their possible relation to $\bar{e}e$ annihilation.
- 3) Information on the Zweig rule.

Monday, February 23
11.00
Large Conference Room
(Lab. 13 - 2.005)

"Experimental program with the European muon spectrometer at the SPS"

by J.J. Aubert / Annecy

Abstract : How the spectrometer is being constructed and what is the physics aim which can be achieved with the high intensity muon beam of the SPS.

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CERN PARTICLE PHYSICS SEMINAR

Tuesday, February 17
16.30
Auditorium

"Search for narrow enhancements at the CERN ISR"

by J.C. Sens/F.O.M., The Netherlands

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CERN COLLOQUIA

Tuesday, February 24
16.30
Auditorium

"Relativistic Cosmology and Bianchi Universes"

by R. Ruffini / Princeton University

Abstract : Three steps have been essential in our current understanding of relativistic cosmology :

- (1) The idea by Riemann that the metric relations of space are not given a priori but follow from direct experimental observations.
- (2) The cosmological models of Friedmann and the observations by Hubble of the expansion of the Universe.
- (3) The discovery of the cosmological background radiation.

These three steps are reviewed and shown to be inconsistent with the basic requirement of non violation of causality in the early Universe. The possible outcomes from this paradox and the role of the Bianchi universes are discussed with major emphasis on new experimental observations to be performed. Recent results on pair creation and anisotropy damping in early cosmology are presented.

Wednesday, February 25
16.30
Auditorium

"Gauge theories of weak and strong interactions"
(for experimentalists and theoreticians)
by A. Salam / Imperial College and I.C.T.P. Trieste

enseignement

ENSEIGNEMENT GENERAL

Jeudi 19 février
13.00 - 13.30
Amphithéâtre

Science pour Tous, par R. Carreras

"Neutrinos solaires et psychologie de l'intelligence"

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ACADEMIC TRAINING

Tuesday, February 17
Wednesday, February 18
Thursday, February 19
11.00
Auditorium

"Final stages of stellar evolution"

by F. Pacini / ESO

cern information

INFORMATION MEETING

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All personnel are invited to an information meeting which will take place in the Auditorium on
Thursday, 4 March 1976 at 16.30.

We shall describe the present position of CERN and the future outlook in the light of the Council decisions of December 1975. The presentation will be partly in English, partly in French, with interpretation provided.

Closed-circuit television transmission without interpretation will be available in the Council Chamber, the ISR Conference Room and the SPS Conference Room.

J.B. Adams
Executive Director-General

L. Van Hove
Research Director-General

REUNION D'INFORMATION

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L'ensemble du personnel est invité à une réunion d'information qui se tiendra dans l'amphithéâtre
le jeudi 4 mars 1976 à 16h30.

Nous décrirons la position actuelle du CERN et les perspectives d'avenir à la lumière des décisions du Conseil de décembre 1975. La présentation sera faite partiellement en français, partiellement en anglais, avec interprétation simultanée.

La réunion sera transmise par circuit fermé de télévision, sans interprétation, dans la Salle du Conseil, la Salle de conférence des ISR et la Salle de conférence du SPS.

J.B. Adams
Directeur général
exécutif

L. Van Hove
Directeur général
de la Recherche