

seminars

CERN COLLOQUIUM

Tuesday, November 26
16.30
Auditorium

"Heavy ion nuclear reactions"

by R.A. Broglia / Niels Bohr Institute

Abstract : A review of the subject of collisions among heavy ion reactions will be presented. It will cover the processes ranging from quasi-elastic scattering to deep inelastic scattering. In discussing the first type of reactions where only few particles and small amounts of energy and angular momentum are transferred, special attention will be paid to the new type of spectroscopic information that can be obtained from the study of these processes. It will be shown how the results of such a program can be utilized in describing deep inelastic collisions and in developing a microscopic model of friction for nuclear systems. Critical angular momentum for fusion and the characterization of the compound nucleus doorway states are included in such a description.

The different subjects outlined above will be presented within the framework of the semiclassical approximation which allows for a unified description of the subject of Heavy Ion collisions.

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CERN PARTICLE PHYSICS SEMINAR

Tuesday, December 3
16.30
Auditorium

"Do $\bar{e}e$ annihilations to hadrons really look like $\bar{p}p$ annihilations ?"

by H. Muirhead / Oliver Lodge Laboratory

enseignement

ACADEMIC TRAINING

Wednesday, November 27
Thursday, November 28
Friday, November 29
14.30
Auditorium

"Streamer chambers"

by F. Schneider

December 3, 4, 10, 11, 12
11.00
Auditorium

"Modern matrix methods in scientific computing"

by Mrs. E. Edberg

Abstract : Some computational methods for frequently encountered matrix problems will be discussed. The main areas to be treated are the solution of linear systems including linear least squares approximations, and the computation of eigenvalues and eigenvectors.

The aim is to give a review of recent developments with recommendations as to what algorithms to choose for different problems and also to give some insight into the numerical difficulties that may arise. The lectures should therefore be suitable for physicists, engineers, etc., who have some basic knowledge of matrix algebra.

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ENSEIGNEMENT GENERAL

Lundis
13.00 - 13.30
Amphithéâtre

Cours "Connaissance du CERN", par R. Carreras

Ce cours de 6 leçons est la répétition de celui qui a été donné du 30 septembre au 18 novembre. Il sera suivi de quelques séances supplémentaires.

	Programme (pour détails, voir affiches) :
25 novembre :	1. "Vue d'ensemble"
2 décembre :	2. "Les accélérateurs"
9 décembre :	3. "Les faisceaux de particules"
20 janvier :	4. "Les détecteurs"
27 janvier :	5. "Les particules"
3 février :	6. "Le CERN et le monde d'aujourd'hui"

Jeudi 28 novembre
13.00 - 13.30
Amphithéâtre

"Science pour Tous", par R. Carreras

Programme (pour détails, voir affiches) :

1. Vu, lu et entendu
2. Question :
Les centrales nucléaires sont contestées par bien des écologistes et pour plusieurs raisons. Il est curieux de constater qu'un de leurs arguments est aussi valable, en principe, contre l'utilisation de l'énergie solaire, et ceci quelle que soit la technique dont on puisse se servir pour la capter. Quel est cet argument ?
3. Thème principal : "Il y a 50 ans".
- Le séminaire aura lieu le même jour, dès 17h.35 dans la Salle D.
- La séance de 13h.00 est retransmise en direct à l'amphithéâtre des ISR.

AUDIO-VISUAL FRENCH COURSES

Two classes in French for beginners will be opened in January 1975, one for members of CERN Personnel and the other for family members, providing that sufficient applications are received.

These classes are aimed more particularly at those people who have already studied some French, for example at school, but who find great difficulty in expressing themselves.

People who have recently arrived at CERN and are interested in these courses should return the form below, duly completed, to the Language Courses Secretariat. They will then receive details of the classes together with an enrolment form.



(Please use block capitals)

NAME : First Name :

Division : Telephone :

I am interested in a beginners' course in French starting in January 1975. Please send me the appropriate information.

Signature

cern information

CONSTRUCTION DU HALL 186-
LABO 28 et TUNNEL

Dès le 25 novembre 1974, des travaux de Génie-Civil, raccordement de canalisations et tunnel, vont être entrepris sur la route Oppenheimer, carrefour route Sud et angle Nord-Ouest du Labo 31.

Des dispositions seront prises par la Direction des travaux pour assurer en permanence un passage réduit à une voie pour la circulation.

Division SB/EP