

seminars

CERN COLLOQUIUM
Tuesday, 16 November
16.30
Auditorium

"Gravity theory and particle physics"
A. SALAM - ICTP Trieste

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TECHNICAL PRESENTATION
Wednesday, 17 November
9.00 - 16.30
TC-L Conference Room
Bldg 17 - 1st floor
Renseignements :
M. DIRAISON / 45.85

ROBAND (DK) specialised in power supplies manufacturing and also in other electronic equipment will exhibit (from his programme) the following items :
Bench variable supplies - complete power supplies - miniature fully encapsulated plug-in supplies - regulators - EHT units for CRT display systems. Inverters and converters - oscilloscopes - digital panel meters - DVM - overvoltage protection - encapsulated coincidence detector - encapsulated pulse system.
Language : English.

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PHYSICS III SEMINAR
Monday, 22 November
11.00
Theory Conference Room

"Muonic isomere shifts in ^{153}Eu ; a calibration of Mössbauer data".
H.K. WALTER - SIN, Zurich

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CERN APPLIED PHYSICS
SEMINAR
Monday, 22 November
14.30
Auditorium

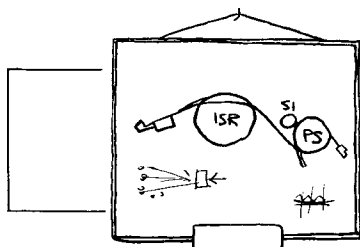
"New Methods for obtaining Ultra Low Temperatures"
W. WIEDEMANN - Zentralinstitut für Tieftemperaturforschung der Bayerischen Akademie der Wissenschaften, Garching

Abstract : A survey is given on the newly developed methods for obtaining ultra low temperatures : $\text{He}^3\text{-He}^4$ dilution, Pommeranchuk cooling, hyperfine enhanced nuclear magnetic cooling, nuclear magnetic cooling.
Theoretical background, technology and temperature measurement will be discussed.

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INTERACTIVE COMPUTING

CERN operates a fully interactive computing system "GAMMA" for real and complex functional computation, in which not single numbers but functions (represented by sets of numbers) are the operands. Problems are solved in on-line dialogue between user and computer; output on display scope and/or paper. Work can be interrupted and resumed later on; data and programs are preserved on tape.
For further information contact Secretariat TH Division, tel. 24.22.



enseignement

ACADEMIC TRAINING
Tuesday, November 16
Wednesday, November 17
Thursday, November 18
11.00
Auditorium

"Data Structures"
by J.J. Duby (IBM-France)
(4th, 5th and 6th lectures)

(see p. 3)

Programme :

4. List structures :

The problem of list representation as opposed to string representation will be exposed, and different techniques to solve it described (atom property list, trees, rings)

5. List structures (cont.):

The general problems of dynamic allocation, garbage collection, reference counting, compacting, which had been introduced for string structures, will be reexamined for list structures.

6. Graphic structures :

The techniques described in the previous lectures will be used for graph and plex structures, and specific examples of application will be given in the fields of algebraic manipulation, graphic data processing and data base systems.

November 23, 24, 25, 30
and December 1, 2

11.00

Auditorium

"Superconducting magnet technology"

by G. Bronca (CEA-Saclay)

Programme :

- Reminder of the properties of superconductors.
- Theory of the phenomena, flux leakage and losses.
- Behaviour of coils.
- Problems in the realisation of magnets.
- Applications:
 - continuous fields : particle beam transport
 - pulsed fields : synchrotrons.

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POUR INFORMATION

ENSEIGNEMENT TECHNIQUE

COURS EXTERIEURS

Les programmes des cours énumérés ci-dessous peuvent être consultés au tableau d'affichage de l'Enseignement Technique au Bâtiment de l'Administration, près du restaurant No 1.

Nous vous rappelons que les arrangements nécessaires pour suivre ces cours ou conférences (financement, horaire, etc...) sont du ressort de votre division.

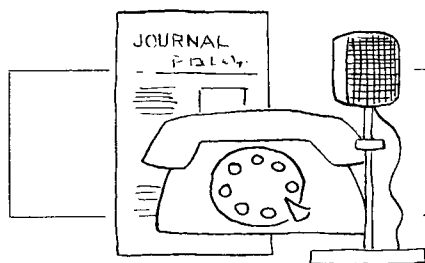
-ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE

mardi 16 novembre - Computer Techniques for Electro-
18.00 magnetics and Antennas
par Raj Mittra, Univ. Illinois

mardi 24 novembre - Image Processing
17.15 par Thomas S. Huang, M.I.T.

-UNIVERSITE OUVRIERE DE GENEVE

Programme des cours hiver 1971
Exemplaires à disposition.



cern information

VACCINATION CONTRE
LA GRIPPE

Le Service Médical vous rappelle - selon circulaire 1617/18.10.71 de l'Office des Nations Unies, Genève - que cette vaccination paraît spécialement recommandée pour (dans l'ordre de priorité) :

- Les personnes présentant une affection chronique susceptible de diminuer leur résistance à la maladie : affection cardiaque ou séquelles d'affection cardiaque (séquelles d'infarctus p.ex.), affection pulmonaire (bronchite chronique, emphysème, insuffisance respiratoire), affections vasculaires et rénales, diabètes, convalescents d'affections ou d'interventions graves.
 - D'une façon générale, les personnes âgées de plus de 50 ans.
- Les membres du personnel entrant dans ces catégories et désirant être vaccinés doivent prendre contact le plus tôt possible avec leur médecin traitant.

Dr. J.P. Diss Service Médical