



Semaine/Week
22.1 — 27.1

Bulletin

Nouvelles officielles : pages 1 - 4 : Official News
Nouvelles de l'Association du Personnel : pages I - IV : Staff Association News

Seminars

Tuesday, 23 January

16.30

Main Auditorium / CERN

COLLOQUIUM

"X-ray Analysis of Crystalline Proteins"

M.F. Perutz / Laboratory of Molecular Biology,
Cambridge

Abstract : All chemical reactions in living cells are catalysed by enzymes and all enzymes are proteins. The structure of proteins is, therefore, one of the keys to our understanding of living processes in terms of the simple laws of physics and chemistry. Protein crystals give rich X-ray diffraction patterns and by using special techniques much information can be obtained by X-ray analysis. So far the structures of six different proteins have been solved each constructed on different architectural principles. What they all have in common is a non-polar interior, consisting mainly of hydrocarbons and constituting a medium of low dielectric constant where electrical interactions are stronger than in water. This may be one of the reasons for their catalytic action.

Thursday, 25 January

16.30

Main Auditorium / CERN

COLLOQUIUM

"Review of instabilities in plasmas"

C.M. Braams / F.O.M. Institute for Plasma Physics,
Utrecht

Abstract : A plasma confined in a magnetic field turns to be unstable. Various modes of instability will be discussed along with methods for suppressing some of them. The chances that these will eventually make possible a controlled thermonuclear reactor will be assessed.

Friday, 19 January

17.15

Université de Genève/Ecole de Physique
Auditoire C

"Spin spin coupling in nuclear magnetic resonance"

Prof. A. Saika / Kyoto University

Monday, 22 January

11.00

Theory Conference Room / CERN

"Result on (π^- , nn) and (π^- , np) absorption on
 ${}^6\text{Li}$, ${}^9\text{Be}$ and ${}^{12}\text{C}$ "

C. Cernigoi / Trieste

Jeudi, 25 janvier

17.15

Université de Genève/Ecole de Physique
Baraque G, salle 2

"Invariance par rapport au renversement du temps
dans la désintégration du Λ "

M. A. Gautschi

Vendredi, 26 janvier

17.00 précises

Université de Genève/Ecole de Physique
Auditoire B

"Effets des fluctuations de spins sur les propriétés des métaux :
Etat actuel de la théorie et comparaison avec
l'expérience"

Dr N.F. Berk / Orsay

Monday, 29 January

11.00

Theory Conference Room / CERN

"Mass-spectrometry of fragmentation reactions"

R. Klapisch / Orsay