

seminars

CERN NUCLEAR PHYSICS SEMINAR

Monday, January 12
11.00
Theory Conference Room

"Atomic-beam measurements of nuclear spins at ISOLDE"
by C. Ekström / Chalmers University of Technology, Gothenburg
Abstract : An atomic-beam magnetic resonance (ABMR) apparatus
has been connected on-line with the ISOLDE isotope
separator in order to study the hyperfine structure of short-lived
nuclides far from stability. The project and the first results
obtained will be presented.

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ELECTRONICS EXPERIMENTS COMMITTEE

Monday, January 12
14.30
Auditorium

Open Session

1. Summary of the Council decisions concerning the budget and consequences for the research programme presented by L. Van Hove;
2. A status report on experiment P7, a study of K^-p and $\bar{p}p$ x-rays; outlook on further measurements on antiprotonic atoms presented by H. Koch (Basel-CERN-Karlsruhe-Stockholm Collaboration), EEC-76/1
3. A proposal to study $np \rightarrow pp\pi^-$ reaction, (Collège de France, Freiburg, Padua Collaboration) - EEC-76/2
4. A status report on experiment S 131 on $K^-p \rightarrow K^0 \pi^+ p$ reaction, presented by M. Martin (University of Geneva), EEC-75/63

Tuesday, January 13
09.00
EP Conference room

Closed Session

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CERN TRACK CHAMBER COMMITTEE

Wednesday, January 14
09.30
Council Chamber

1. Teaching Particle Physics at the Open University, U.K. (Prof. R. Stannard);
2. Relativistic Rise of Bubble Density in Neon-Hydrogen (C. Fisher/W. Venus);
3. Status Report on the Rapid Cycling Bubble Chamber Project (L. Montanet);
4. Schedule of HBC 200 Operation in 1976 and First Discussion of Possible Additional Experiments.

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CERN PARTICLE PHYSICS SEMINAR

Thursday, January 15
16.30
Auditorium

"Inelastic diffraction in the channel $pp \rightarrow pn\pi^+$ at the ISR"
by C. Broll / I.P.N. Orsay

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NUCLEAR PHYSICS SEMINAR

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.

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.

enseignement

AUDIO-VISUAL FRENCH COURSES

A class in French for beginners will be opened in February 1976, for members of CERN personnel and family members, providing that sufficient applications are received.

This class, involving two lessons per week lasting two hours each, will be aimed in particular 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 this course should return the form below, duly completed, to the Language Courses Secretariat. They will then receive details of the course together with an enrolment form.

Fellows and Associates who have applied for a place in the semi-intensive course should not apply for this extensive course, which will automatically be suggested to them, if they cannot be accepted for the semi-intensive course, providing that their level is compatible.



(Please, use block capitals)

NAME : First name :

Division : Telephone :

I am interested in a beginners' course in French starting in February 1976. Please send me the appropriate information.

Signature :

CERN information

SAFETY BELTS

The wearing of safety belts in the front seats of all motor vehicles in which they have been installed is now compulsory in Switzerland as well as in France. This law is valid on the CERN site.

HS Division

CEINTURES DE SECURITE

Le port de la ceinture de sécurité aux sièges avant de toutes les automobiles qui en sont équipées est maintenant obligatoire en Suisse comme en France. Cette loi est valable également sur le site du CERN.

Division HS