ACADEMIC TRAINING

Wednesday, January 9
Thursday, January 10

Wednesday, January 16
Thursday, January 17

11.00
Auditorium

"Beams of molecules, atomes and nucleons"

by N.F. Ramsey Harvard University and Eastman, Professor Oxford University

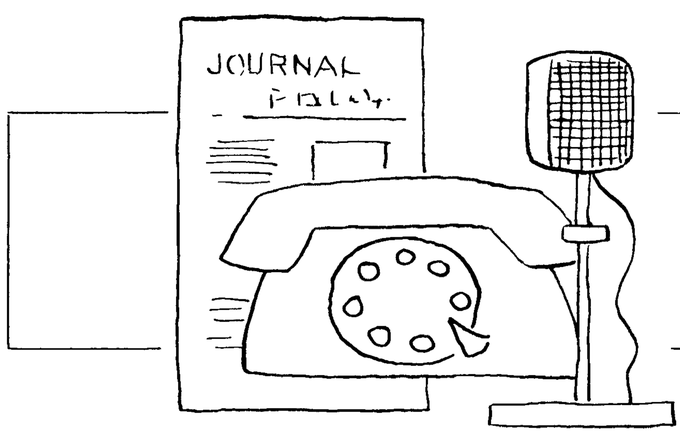
Abstract :

1. Molecular Beam Experiments
A summary will be given of recent molecular beam experiments at Harvard University utilizing the molecular beam magnetic and electric resonance methods. Information on nuclear and molecular properties obtained in these experiments will be summarized and interpreted.

2. The Atomic Hydrogen Maser
The hydrogen maser will be described including a new version with a large diameter storage vessel for reducing frequency shifts due to wall collisions and with a variable volume for providing a measurement of the small residual wall shift. Applications of the hydrogen maser to precision measurements of fundamental properties of atomic hydrogen will be described.

3. Search for a Neutron Electric Dipole Moment
If time reversal symmetry were valid no particle including the neutron should have an electric dipole moment. However, most theories to account for the CP violating decay of the long lived neutral kaon predict a non-vanishing value of the neutron electric dipole moment. Highly sensitive neutron beam experiments to search for such a dipole moment will be described.

4. The NAL Accelerator
The new US high energy proton accelerator will be described and the current experimental programme with that accelerator will be discussed.



cern information

STAFF MEMBERS' WIVES

A group of staff members' wives representing different nationalities and living in the Geneva region welcomes all newly arrived wives on the first Tuesday of each month from 2 to 4 p.m. at Rest. N°2. The next meeting will be held on 8th January, 1974.

EPOUSES DES FONCTIONNAIRES CERN

Un groupe d'épouses de fonctionnaires CERN, de différentes nationalités et habitant la région genevoise, accueillent toutes les épouses nouvellement arrivées le premier mardi du mois, de 14 à 16 heures, au Rest. No.2. La prochaine réunion aura lieu le 8 janvier 1974.

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SERVICE BLANCHISSERIE

Programme de distribution des blouses blanches pour l'année 1974

Divisions SC - TC - ADM - SB	Divisions PS - ISR - DD - PHS - GEV
17, 31 janvier	10, 24 janvier
14, 28 février	7, 21 février
14, 28 mars	7, 21 mars
11, 25 avril	4, 18 avril
9, 23 mai	2, 16, 30 mai
6, 20 juin	13, 27 juin
4, 18 juillet	11, 25 juillet
1, 15, 29 août	8, 22 août
12, 26 septembre	5, 19 septembre
10, 24 octobre	3, 17, 31 octobre
7, 21 novembre	14, 28 novembre
5, 19 décembre	12 décembre