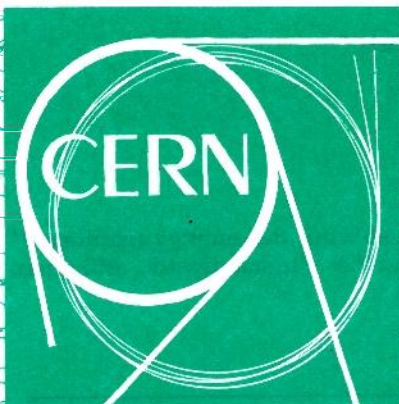




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semaine
week

15

bulletin

seminars

CERN NUCLEAR PHYSICS SEMINARS

Monday, April 7
11.00
Theory Conference Room

" γ - spectroscopy of light hypernuclei"

by M. Gusakow / Lyon-CERN

Abstract : Hypernuclear γ lines, obtained by the interaction of stopped K^- with a ${}^7\text{Li}$ target, were detected by a NaI scintillation counter in coincidence with the incident K^- and with π^- produced by the desintegration of the Λ particles. The already observed 1.1 MeV γ line has been identified and corresponds probably to an excited state of ${}^4_\Lambda\text{H}$. A new line has been seen at 0.76 MeV, whose origin is not clear at the present state of the analysis.

Monday, April 14
11.00
Theory Conference Room

"Electron scattering and neutrino reactions in nuclei"

by T.W. Donnelly / CERN-Stanford

Abstract : A one-body density matrix formalism is discussed which relates semi-leptonic weak and electromagnetic interactions in nuclei. Predictions are given for charged-current and neutral-current neutrino reactions, including a brief discussion of second-class currents.

CERN COLLOQUIA

Tuesday, April 8
16.30
Auditorium

"Transmission Systems Using Light-Optical Fibers"

by P. Lapostolle / Centre National d'Etudes des Télécommunications

Abstract : After a brief introduction recalling the place of optical waves as a carrier of information compared with the various systems so far adopted, a survey is made of the devices which have been envisaged and the fiber systems studied in detail. Taking a more theoretical approach to wave propagation, the limitations of present fibers will be discussed as well as the performance that can be expected.

The talk concludes with a quick view of the developments currently under way and suggestions as to possible future trends.

Tuesday, April 15
16.30
Auditorium

"Particle Creation by Black Holes"

by D.W. Sciama / University of Oxford

Abstract : Black holes obey four laws analogous to the four laws of thermodynamics : the surface area of the black hole corresponds to entropy and its surface gravity to temperature. Originally it was thought that a black hole could not achieve equilibrium with black body radiation at the same temperature, since the black hole would not emit radiation. Hawking has recently discovered that during the collapse towards the black hole state, particle pairs are produced and radiated with an energy spectrum corresponding to the temperature of the black hole. Thus thermodynamics is powerful enough to govern black hole phenomena without any essential amendment.

CERN PARTICLE PHYSICS SEMINAR

Thursday, April 10
16.30
Auditorium

"Review of the Paris Neutrino Conference"
by P. Petiau / Ecole Polytechnique

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CERN APPLIED PHYSICS SEMINAR

Tuesday, April 15
14.30
Auditorium

"The Fusion Reactor - A chance for solving the energy problem ?"
by R. Wienecke / Max-Planck Institut für Plasmaphysik, München

enseignement

ENSEIGNEMENT GENERAL

Monday, April 7
13.00 - 13.30
Auditorium

"Understanding CERN", by R. Carreras
Lecture 1 : The meaning of 'N' in CERN.

Jeudi 10 avril
13.00 - 13.30
Amphithéâtre

"Science pour Tous", par R. Carreras
Programme (pour détails, voir affiches) :

1. Vu, lu et entendu.
2. Question : A quelles conditions de symétrie doit satisfaire un récipient pour qu'on puisse s'assurer, sans l'aide d'aucun instrument, qu'il est exactement rempli à moitié. (Le cylindre et le tonneau satisfont à ces conditions.)
3. Thème principal : La fixation de l'azote.

- Le séminaire aura lieu le même jour, dès 17h.35, dans la Salle D.

cern information

CERN WIVES

Reminder :

A group of CERN wives representing different nationalities and living in the Geneva region welcomes all newly arrived wives of members of the personnel on the first Tuesday of each month from 2 to 4 p.m. at Restaurant No.2

In view of the Easter Holidays, the next meeting will be held exceptionally on the second Tuesday, of the month, on April 8th, 1975.

EPOUSES DE CERNOIS

Rappel :

Un groupe d'épouses de Cernois, de différentes nationalités et habitant la région genevoise, accueille toutes les épouses des membres du personnel nouvellement arrivées, le premier mardi du mois, de 14h.00 à 16h.00 au restaurant No.2.

En raison des vacances de Pâques, la prochaine réunion aura exceptionnellement lieu le deuxième mardi du mois, soit le 8 avril 75.

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OBJETS TROUVES

en mars. A réclamer au Service de sécurité.

- Le 75-03-3, un béret basque trouvé sur le site;
- Le 75-03-5, une somme d'argent trouvée vers le Bât. 510/511;
- Le 75-03-5, un porte-monnaie trouvé face aile C, bloc 3, Lab.II;
- Le 75-03-7, une somme d'argent trouvée hall Bât. ADM;
- Le 75-03-7, une boucle d'oreille trouvée Centr. Régie;
- Le 75-03-11, un manteau trouvé Salle du Conseil;
- Le 75-03-14, une paire de lunettes de soleil trouvée sur le site;
- Le 75-03-25, une veste trouvée Restaurant N°1;
- Le 75-03-25, deux parapluies trouvés Restaurant N°1;
- Le 75-03-25, un porte-monnaie trouvé Restaurant N°1;
- Le 75-03 24, une boucle d'oreille trouvée parking Bât.510/511.