

SPS EXPERIMENTS COMMITTEE

Tuesday, October 28
09.30
Auditorium

Open Session

1. Proposal for studying neutrino and antineutrino interactions in deuterium .
(Amsterdam-Bologna-Padova-Pisa-Saclay-Torino Collaboration; A.G. Tenner; SPSC/74-72/P 16 and 74-105/P 16/Add.1).
2. Proposal to search for charmed particles and to study high energy neutrino interactions using BEBC filled with deuterium and containing steel plates to identify electrons and gamma rays.
(L.P.N.H.E. and Ecole Polytechnique, Paris; P. Petiau; SPSC/74-119/p 33 and 75-42/P 33/Add.1).
3. Neutrino and antineutrino interactions in BEBC filled with neon, hydrogen and deuterium .
(Aachen-Bonn-CERN-Oxford Collaboration; G. Myatt; SPSC/74-88/P 23, 74-91/P 25 and 74-123/P 35).
4. Proposal to study neutrino and antineutrino interactions using a hydrogen filled TST in BEBC and a wide band beam.
(Bari-Brussels-RHEL-University College Collaboration - SPSC/74-116/P 30);
Proposal to study high energy neutrino interactions using a narrow band beam and a deuterium filled TST in BEBC.
(Aachen-Bari-Brussels-CERN-University College Collaboration; W. Venus; SPSC/74-126/P 36).
5. Proposal to study antineutrino and neutrino interactions at the highest available SPS energies, using a wide band beam and a deuterium filled TST in BEBC (Bonn-Imperial College-MPI Munich Collaboration; R. Hartmann; SPSC/75-50/P 48.).

Closed Session

Wednesday, October 29
09.00
Room A+C

CERN APPLIED PHYSICS SEMINAR

Wednesday, October 29
14.30
Auditorium

"Thermodynamical processes for hydrogen production"

by G. De Beni / Euratom, Ispra

Abstract : The production of hydrogen from water using the heat from nuclear reactors as primary energy can be achieved in two ways : by electricity production and water electrolysis or by a thermochemical process. High temperature heat from the HTGR is more suitable for thermochemical processes. These processes consist of a sequence of chemical reactions run at different temperatures, which overall result is the decomposition of water into hydrogen and oxygen, with complete regeneration of the chemical products. An outline of the chemical cycles defined and under study in the various laboratories and the kind of the problems of chemistry, materials and engineering involved with thermochemical water splitting is given.

PRESENTATION TECHNIQUE

Mardi 21 octobre
de 09.00 à 16.30
Salle de conférence TC-L
(Bât.17 - 1er étage)

La maison Bourns AG (CH), représentant Bourns Incorporated (USA), expose son programme de capteurs pour l'observation et le contrôle des pressions (modèles intégrés, potentiométriques...), des déplacements linéaires, des accélérations, des variations angulaires.

Langues : anglais, allemand, français.

Renseignements :
M. Diraison / FIN / 4585

enseignement

ENSEIGNEMENT GENERAL

Il n'y aura pas d'exposé "Science pour Tous" cette semaine car l'amphithéâtre n'est pas libre.
Prochain exposé : jeudi 30 octobre.

ACADEMIC TRAINING

Auditorium

October 21:

09.00 - 09.15
09.15 - 10.45
11.00 - 12.30
14.30 - 16.00
16.30 - 17.30

October 22 :

09.00 - 10.00
10.30 - 12.00
14.30 - 16.00

SURVEY OF THE CERN RESEARCH PROGRAMME

Introductory remarks, by W. Jentschke
Electronic experiments, by A. Astbury
Bubble chamber experiments, by D.C. Colley
SC and Isolde programme, by V. Soergel and P.G. Hansen
Theory, by S. Fubini

The SPS, by H.O. Wüster
SPS experimental programme, by J.V. Allaby
ISR experiments, by U. Amaldi.

next week

October 29, 30 & 31
11.00
Lab.II Auditorium

"The new particles" (for non-physicists)

by P. Sonderegger

Abstract : Less than a year ago, all known particles could still be easily understood as compounds of three fundamental 'quarks'. But theorists had been exploring for some time more general and more rigorous models, with more quarks, and had predicted observable consequences. The discovery at CERN, of the neutral currents gave a strong boost to such theories. Bets were made on the imminent appearance of particles of a new kind. But when two very heavy and extraordinarily long lived particles were actually found in the USA last November, and more and more of them followed, the physicists were not only gratified, but more and more puzzled.

These lectures are intended for non-physicists having a scientific or technical background or curiosity, and are an updated version in English of lectures given in June in Lab.I (the number of particles has doubled since).

CERN information

DETACHEMENT CEA AU CERN

Pour un problème d'intérêt commun, les personnes détachées du CEA au CERN sont priées de se faire connaître auprès de M. François Pouyat, BEBC.

PROCHAINES VISITES EN SEMAINE DU CERN

Jeu 23 octobre :

09h.00 NOCUS - Computer Engineers (Ferney-Voltaire).

Les personnes ayant des affinités avec ce groupe et désirant le rencontrer, sont priées de prendre contact avec le Service des visites du P I O (Tél. 4102/4052).

RAPPEL :

Allocations pour
enfants de 18 ans
et plus

Il est rappelé aux membres du personnel ayant des enfants âgés de 18 ans et plus et recevant du CERN des allocations à ce titre que les certificats de scolarité doivent être envoyés à la Division du Personnel le 31 octobre 1975 au plus tard. Toute allocation n'ayant pas de justificatif sera supprimée avec effet rétroactif au 1er septembre 1975.

Veillez adresser les certificats scolaires à Mme E. Deluermoz - Bureau de Remboursements et Congés, Division du Personnel.

Division du Personnel - Tél. 3238