

1er Trimestre :

Jeudis, 13h00 à 13h30,
Amphithéâtre

2, 9, 16, 23 & 30 octobre
6, 13, 20 & 27 novembre
4, 11 & 18 décembre 1980

SEMINARS

SEMINAIRES

MONDAY 15 SEPTEMBER

EP SEMINAR

at 17.00 hrs - Auditorium

"Fermilab: a laboratory in transition"

by J. Peoples / Fermilab

Abstract : The transition of Fermilab from a 400 GeV facility to the Tevatron will be discussed. The emphasis will be on the facilities improvement programme during the period of 1981-1984. A brief status report on the Energy Saver Project will be given.

MARDI 16 SEPTEMBRE

PRESENTATION TECHNIQUE

de 09.00 à 12.00 et

de 14.00 à 16.00

Parking, près bâtiment 63, (C2 CERN Meyrin)

VOLKART (CH) représentant PNEUMOFOR Gebr.
HILFIKER (I) propose la démonstration de compresseurs rotatifs, compacts, en version verticale, fournissant de l'air comprimé d'une grande propreté ($-0,12 \text{ mg/m}^3$). Débit réel type U2 à 7 bars: 102 m^3 par heure.

Langues: Allemand, anglais, français

Renseignements : M. Diraison / FI / 4585

TUESDAY 16 SEPTEMBER

SPECIAL SEMINAR

at 11.00 hrs - DD Auditorium

(Bldg. 31, 3rd floor)

"FORTRAN-77, FTN5, and Beyond"

by R. Friedman / Computer Center Software Support and Development Group, Lawrence Berkeley Laboratory

Abstract : The new FORTRAN standard and the CDC FTN5 compiler will be discussed, highlighting the new features in the language, and some of the old features that have been deleted. The conversion problems between FTN4 and FTN5 programs will be described, along with the performance and organization of the new CDC compiler. Department of Energy proposed extensions to the new standard for handling vector and array constructs on Class VI computers will also be mentioned.

"SCIENCE POUR TOUS"

par R. Carreras

Cycle d'exposés destinés plus particulièrement aux personnes n'ayant pas de formation scientifique.

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hours - Auditorium*)

"Experimental results on weak interactions as presented at the Madison Conference"

by K.H. Mess / CERN

Abstract : Results on coupling constants, total cross sections, lifetimes of charmed particles and other topics will be summarized.

*) Those attending this seminar are cordially invited to the Salle des Pas perdus (just outside the Council Chamber) at 16.00 hrs. to meet the speaker and for informal discussions. Tea and coffee will be provided.

WEDNESDAY 17 SEPTEMBER

THEORETICAL SEMINAR

at 14.00 hours - Theory Conference Room

"Small Distance Behaviour in Einstein Theory of Gravitation"

by S. Fubini / CERN

Abstract : We present a preliminary discussion of some consequences of a fully dilatational invariant formulation of the Einstein theory of gravitation. Arguments are given to show that the small distance behaviour of the theory can be greatly improved, leading to a situation very similar to usual renormalizable theories.

CERN PARTICLE PHYSICS SEMINAR

PLEASE NOTE SPECIAL DAY

at 16.30 hours - Auditorium *)

"Review of $\bar{p}p$ formation experiments"

by R.D. Tripp / Lawrence Berkeley Laboratory

Abstract : Results of five new experiments which measure the $\bar{p}p$ total and/or annihilation cross sections in the region of the $S(1936)$ meson are reviewed and compared with other experiments with which they directly conflict concerning the existence of narrow structure. Other relevant formation experiments are also reported.

*) Those attending this seminar are cordially invited to the Salle des Pas perdus (just outside the Council Chamber) at 16.00 hrs. to meet the speaker and for informal discussions. Tea and coffee will be provided.

THURSDAY 18 SEPTEMBER

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hours - Auditorium*)

"Aspects of theory at the Madison Conference"

by L. Van Hove / CERN

Abstract : The lecture will review in simple terms some of the theoretical topics presented at the XXth International Conference on High Energy Physics in Madison last July.

*) Those attending this seminar are cordially invited to the Salle des Pas perdus (just outside the Council Chamber) at 16.00 hrs to meet the speaker and for informal discussions. Tea and coffee will be provided.

MONDAY 22 SEPTEMBER

EP SEMINAR

at 17.00 hours - Auditorium

"Resolution limits of ionization sampling in high pressure drift detectors"

by I. Lehraus / CERN

MONDAY 22 AND TUESDAY 23 SEPTEMBER

PS AND SC COMMITTEE

OPEN SESSION / Monday 22 September

at 09.00 hrs and 14.00 hrs - Council Room

1. Introductory remarks by L. Van Hove
2. Proposals for LEAR
 - a search for heavy supernuclei at LEAR (CERN-IKO-Uppsala; PSCC/80-74/P15; 80-75/S15).
 - $p\bar{p}$ total cross sections and spin effects in $p\bar{p} \rightarrow K^+K^-, \pi^+\pi^-, p\bar{p}$ above 200 MeV/c (Amsterdam-Bedford-Geneva-QMC-Surrey-Trieste; PSCC/80-76/P16; 80-77/S16).
 - Study of the interaction of low-energy antiprotons and antineutrons with H, ^2H , ^3He , ^4He , Ne, ^{40}Ar -nuclei using a streamer chamber in a magnetic field (Dubna-Frascati-Padova-Pavia-Torino; PSCC/80-78/P17; 80-79/S17).
 - Precision survey of X-rays from $p\bar{p}$ ($p\bar{d}$) atoms using the initial LEAR beam (Birmingham-Amsterdam-Rutherford-William & Mary; PSCC/80-81/P18; 80-82/S18).
 - Nuclear excitations by antiprotons and antiprotonic atoms (München; PSCC/80-83/P19; 80-84/S19).
 - Measurement of $p\bar{p}$ cross sections at low $\bar{p}$ momenta (Heidelberg; PSCC/80-85/P20; 80-86/S20).
 - Cascade study of $\bar{p}$ -atoms of H, D, He, and Ar in gas (Amsterdam-Oxford; PSCC/80-87/P21; 80-88/S21).

- Proposal to study antineutron production at LEAR (Padova; PSCC/80-91/P23; 80-92/S23).
- Study of $p\bar{p}$ and $p\bar{d}$ interactions at LEAR (U.C. Irvine-Michigan State-New Mexico-Temple; PSCC 80-93/P24; 80-94/S24).
- Precision measurements of the proton electromagnetic form factors in the time-like region and vector meson spectroscopy (Annecy(LAPP)-Padua-CEN-Saclay (DPHE + DPHN-Turin; PSCC/80-95/P25; 80-96/S25).
- Search for baryonium states below threshold at LEAR (Basel-Karlsruhe-Stockholm-Strasbourg-Thessaloniki; PSCC/80-97/P26; 80-98/S26).
- Measurement of the antiproton Lyman- and Balmer X-rays of $p\bar{H}$ and $p\bar{D}$ atoms at very low target pressures (Karlsruhe; PSCC/80-99/P27; 80-100/S27).
- A study of $p\bar{p}$ interactions at rest in a H_2 gas target at LEAR (ASTERIX (CERN-Mainz-München-Orsay (LAL)-TRIUMF-Zürich); PSCC/80-101/P28; 80-102/S28).
- Study of X-ray and γ -ray spectra from antiprotonic atoms at the slowly extracted antiproton beam of LEAR (Basel-Karlsruhe-Stockholm-Strasbourg-Thessaloniki; PSCC/80-103/P29; 80-104/S29).
- Measurement of charge and γ production in $p\bar{p}$ (d) annihilations at LEAR (Athens-Democritos-MVSU-Syracuse-Technical University; PSCC/80-108/P31; 80-109/S31).

OPEN SESSION / Tuesday 23 September

at 09.00 hrs. - Theory Conference Room

continued:

3. Information on ISOLDE matters (R. Klapisch).
4.
 - Study of pion production mechanisms in nucleus-nucleus collisions at the CERN SC using the Omicron spectrometer (Cagliari-CERN-Strasbourg-Torino; PSCC/80-89/P22; 80-90/S22).
 - Search for neutrino oscillations (CERN-Dortmund-Heidelberg-Saclay; PSCC/80-106/P30; 80-107/S30).
 - $\pi p \rightarrow \pi\pi N$ reactions near threshold (Birmingham-CERN-Delft-Ljubljana-Oxford; PSCC/80-110/P32; 80-111/S32).

TUESDAY 23 SEPTEMBER

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hours - Auditorium

"Quarks in soft high energy collisions - (review of the Madison Conference)"

by H. Miettinen / Helsinki University

WEDNESDAY 24 SEPTEMBER

STOP PRESS / DERNIERE HEURE

PS SEMINAR

at 11.00 hrs - PS Auditorium (Bldg.6)

"Properties and Use of Rare Earth
Cobalt Permanent Magnets"

by K. Halbach / Berkeley

CERN PARTICLE PHYSICS SEMINAR

PLEASE NOTE SPECIAL DAY
at 16.30 hours - Auditorium

"New results on hyperon polarization and
magnetic moments"

by T. Devlin / Rutgers University

THURSDAY 25 SEPTEMBER

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hours - Auditorium

"Turbulent diffusion and the problem of the
solar neutrino flux"

by E. Schatzmann / Observatoire de Nice

MERCREDI 17 ET JEUDI 18

PRESENTATION TECHNIQUE

Mercredi 17 septembre

de 09h00 à 16h30

Salle 2-005, Bât. 13 (D2 CERN Meyrin)

CALORSTAT (F), représenté par Angst & Pfister (CH), propose une exposition: chambres à vide, soufflets hydroformés, soudés, électrodéposés, compensateurs métalliques, et une conférence (10h30 à 11h00, puis discussion et de 15h00 à 15h30, puis discussion) sur définition, méthodes de production, métaux, méthodes d'assemblage, etc.

Jeudi 18 septembre

PRESENTATION TECHNIQUE CALORSTAT (F) - voir ci-dessus

de 09h00 à 12h30 - Amphithéâtre SPS

Bât. 864, 1er étage,
(GH 7 CERN Prévessin)

Conférence de 10.30 à 11h00, puis discussion.

Langues : Allemand, anglais, français

Renseignements: M. Diraison / FI, 4585

INFORMATIONS

GENERALES

GENERAL INFORMATION

' BRITAIN AT CERN '

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CERN-MEYRIN, September 23-26, 1980 - ADMINISTRATION BUILDING, 1st FLOOR

EXHIBITION OF BRITISH INSTRUMENTATION, COMPONENTS AND EQUIPMENT

OPENING HOURS : 09.30 a.m. - 5.00 p.m. (closing Friday at 12.00 a.m.)

Twenty-one British firms will be presenting their latest technology at the 'Britain at CERN' Exhibition. This exhibition is being organized by the British Electrical and Allied Manufacturers' Association (BEAMA) on behalf of the Group of Associations of Manufacturers of British Instrumentation, Control and Automation (GAMBICA)*under joint venture arrangements with the British Overseas Trade Board (BOTB).

We include here a summary of the products which will be on show or demonstrated by the companies' technical staff.

AEI SEMICONDUCTORS LTD

Carholme Road
Lincoln LN1 1SG
England

Contact : Mr. D. Westgarth
Telephone : Lincoln (0522) 29992
Telex : 56163

Stand 14

The full range of power semiconductor technology available from AEI Semiconductors will be displayed. This includes diodes and thyristors based on silicon slice diameters up to 75 mm and covers amplified, distributed amplifying and interdigitated amplifying gate thyristors in capsule outlines. Large area devices featuring isotopic transmutation to achieve optimum performance for a variety of applications. Particular emphasis will be given to high voltage, high power, super avalanche thyristors in power supplies proposed for LEP; ignitron replacement thyristors used in power supplies for beam dump pulse generators; blocking avalanche diodes for excitrons in doorbell outline; diode crowbars for the primary of pulse forming network transformers; thyristors and diodes for PFN's using energy recovery technique.