

SEMINARS SEMINAIRES

MONDAY 16 MARCH

EP SEMINAR

at 17.00 hrs - Auditorium

"A measurement of the Strong Interaction Shift of Pionic Hydrogen and Deuterium Atomic Levels with a New Graphite Crystal Spectrometer"

by E. Bovet / Caltech and Univ. of Neuchatel

Abstract : A precise measurement of the transition $2P - 1S$ for π^-p and π^-d pionic atoms has been performed at LAMPF using a graphite crystal spectrometer. Some features of this new kind of spectrometer and its performance will be presented. Preliminary results for the strong interaction shift of the $1S$ level and the scattering lengths $a(\pi^-H)$ and $a(\pi^-D)$ will be discussed.

TUESDAY 17 MARCH

SPECIAL SEMINAR

at 09.00 hrs - DD Auditorium
(Bldg.31 - 3rd floor)

WANG-SA will give a presentation and demonstration of their "Text/Word Processing Products". Duration is expected to be approximately 3 hours.

LEP MACHINE ADVISORY COMMITTEE

Open Session
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at 14.00 hrs - ISR Auditorium

14.00 hrs	Introduction	H. Schopper
14.25 hrs	Parameters and Performance	A. Hutton
14.50 hrs	Transfer from SPS and Positioning of LEP	E. Weisse
15.15 hrs	LEP Injection	K. Hübner
15.40 hrs	N.E.G. Pumps	C. Benvenuti.

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *)

"SPS Experiments in 1979-1980 - Part II"

by J. May / CERN

*) Note : 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 16 AND TUESDAY 17 MARCH

PS AND SC COMMITTEE

- Open Session - Monday 16 March
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Council Chamber at 09.00 hrs

1. Information from the Director-General.
2. Study of particle production and target fragmentation in central ^{20}Ne on Pb reactions, at 12 GeV per nucleon energy of the CERN PS external beam (GSI Darmstadt-LBL Berkeley; PSSC/80-129/I56).
3. Status reports :
 - (i) Heavy ions experiments
 - SC 83 Study of the particle production in ^{12}C induced heavy ion reactions at 86 MeV/N (CERN-Copenhagen-Grenoble-Lund; PSSC/81-19/M79).
 - SC 84 Use of ^{12}C projectiles at energies up to 86 MeV/N for studying the dissipative phenomena in nuclear collisions (Orsay, Chemistry Group, Physics Inst.; PSSC/81-20/M80).
 - SC 85 Element distribution and multiplicity of heavy fragments (Heidelberg (MPI)-Darmstadt (GSI); PSSC/81-21/M81).
 - SC 86 Study of nuclear collisions of 86 MeV/a.m.u. ^{12}C with heavy targets by collection of the heavy recoil nuclei (Bordeaux-Gradignan (CEN); PSSC/81-22/M82).
 - ISOLDE (PSSC/81-23/M83).
 - (ii) μSR experiments
 - SC 65 Local magnetic fields in ferromagnetics studied by positive muon precession (CERN-Grenoble (CENG)-Uppsala; PSSC/81-5/M76).
 - SC 76 Impurity trapping of positive muons in metals (CERN-Geneva-Jülich (KFA)-Uppsala; PSSC/81-5/M76).
 - SC 82 Muonium and muons in synthetic polymers (CERN-London (I.C.)-Parma-Rutherford Lab.).
 - (iii) SC 77 A determination of the branching ratio for the decay $\pi^0 \rightarrow e^+e^-$ (Amsterdam (Free Univ.)-Birmingham-Cagliari-CERN-Ljubljana (Univ. + I.J.S.)-Oxford-Torino (Univ. + INFN; PSSC/81-6/M77).
4. New proposals :
 - Contribution of the CHARM collaboration to the CERN neutrino oscillation programme (CHARM collaboration; PSSC/81-8/P37; 81-9/S37).
 - An experiment to measure the ν_e mass (ISOLDE collaboration).
 - Radiobiological studies on the effects of neutrons produced from 600 MeV protons (Strahlenbiologisches Institut der Univ. Zurich-CERN; PSSC/81-13/P39; 81-14/S39).
 - Search for baryonium by high resolution measurement of $\bar{p}p$ elastic differential cross-section and analysing power from 250 MeV/c to 700 MeV/c (DPH-N Saclay; PSSC/81-17/P40; 81-18/S40).

- Closed Session - Tuesday 17 March
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- Rooms A and C at 09.00 hrs

WEDNESDAY 18 MARCH

ISR COMMITTEE

- Open Session
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- at 09.30 hrs - Council Chamber
- 1. Information from the Director-General.
- 2. Direct Photon Physics at the ISR
 - The forward photon calorimeter of experiment R807, C. Woody.
 - Ideas for direct photon physics with experiment R807.
 - Possible direct photon physics with experiment R110.
- Closed Session
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- at 11.30 hrs - Sixth Floor Conference Room (Administration Building).

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

"QCD at Higher Orders"

by R. Petronzio / CERN

Abstract : A review of higher order corrections in QCD is made, with a discussion of their experimental verification.

DD SEMINAR

at 16.00 hrs - DD Auditorium
(Bldg.31 - 3rd floor)

"Computing at IBM Research Center"

by O. Martin / CERN-DD

Abstract : Facilities available at IBM's T.J. Watson Research Center for Interactive Computing under the VM/CMS Operating Systems running on a 3033MP and a 168AP computers, will be reviewed. The status of the projects aiming at providing users and operators with a "Single System Image" view of the systems will also be presented.

THURSDAY 19 MARCH

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *)

"Limits on Oscillations in the CERN Wideband Neutrino Beam"

by M. Tyndel / Rutherford and Appleton Labs

Abstract : A detailed analysis of all events with a single electron obtained in an exposure of BEBC of the 350 GeV wideband neutrino beam has been used to obtain limits on neutrino mixing. Both the rate and the kinematic distributions have been compared with the predicted μ -e flux assuming μ -e universality. The results are compared to those from other experiments.

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MONDAY 23 MARCH

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
(Top floor of Building 30)

"Status of the Isabelle Project"

by K. Johnsen / CERN-BNL

EP SEMINAR

at 17.00 hrs - Auditorium

"A Measurement of g_A / g_V for the Decay $\Sigma^- \rightarrow n e \bar{\nu}$ "

by P.W. Jeffreys / CERN

TUESDAY 24 MARCH

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"A Review of Results from the WA4 Experiment at the SPS"

by D. Newton / Univ. of Lancaster

THURSDAY 26 MARCH

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"CP Violation - A Review of our Present Understanding"

by J.W. Cronin / The Enrico Fermi Inst., Chicago

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POUR INFORMATION / FOR INFORMATION

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VENDREDI 20 MARS

SEMINAIRE DU LAPP

à 10h30 - Amphithéâtre du LAPP

Laboratoire d'Annecy-le-Vieux de Physique des Particules, Chemin de Bellevue, Annecy-le-Vieux (Haute-Savoie, France)

"Charm and Beauty Experiments with Holographic Streamer and Bubble Chambers"

by E. Johanssen / CERN-EP

Renseignements complémentaires auprès de :
Ch. Baglin/CERN/EP, Tél. 4657, ou Laboratoire d'Annecy-le-Vieux, Tél. (023) 23.32.45, int.241

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