

- Girls up to age 18 and boys up to 21 receive a document called an "attestation" which is a white card. From age 18, girls receive the same type of document as the member of the personnel.
- In principle, when a boy reaches 21 years of age, he returns the "attestation" to CERN who sends it back to the French Ministry of Foreign Affairs. The latter then sends an acknowledgement of receipt which should accompany a request for a residence permit if the boy concerned wishes to continue to reside in France (the conditions for this are given in § 3 below). In practice, where CERN's definition of dependent child still applies due to full-time studies, the Ministry of Foreign Affairs has continued to renew the "attestation" on request.

3. Residence in France under common law regulations

- Boys aged over 21 who no longer hold the "attestation" and who pursue their studies in France or Switzerland can continue to reside in France if they receive a residence permit under common law regulations.
- A request for this permit is to be made to the Mairie of the commune of residence which forwards it to the Préfecture of the department concerned (Bourg-en-Bresse for Ain, Annecy for Haute-Savoie). The acknowledgment of receipt from the Ministry of Foreign Affairs (see § 2 above) together with a course of study enrolment certificate or apprenticeship contract should accompany the request.
- Boys studying in France normally receive an ordinary resident permit, valid for 2 years and renewable. For studies in Switzerland it is a temporary resident permit valid for 1 year and similarly renewable.
- Boys cannot normally receive a residence permit if they are studying in a country other than France or Switzerland. In such cases, holiday periods spent at the parents' residence in France are under normal tourist regulations.

Social Work Section
Personnel Division
Tel. 4201

SEMINARS **SEMINAIRES**

MONDAY 9 MARCH

EP SEMINAR

at 17.00 hrs - Auditorium

"Radiation - Its Effect on Living Systems"

by I. Diehl-Marshall / Kernforschungszentrum
Karlsruhe

Abstract : The damage produced in cells by different types of radiation (e.g. n, p, π^- , γ) has been investigated. A wide range of doses was covered with particular emphasis on the low dose region. A comparison of the response of different biological systems to these irradiations will be presented.

WEDNESDAY 11 MARCH

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

"CENTAURO and the $p\bar{p}$ Collider"

by T. Gaisser / Bartol Research Foundation,
Newark

Abstract : A review of cosmic rays and hadronic interactions around $\sqrt{s} = 1$ TeV

DD SEMINAR

at 14.30 hrs*) - DD Auditorium
(Bldg.31 - 3rd floor)

"ANSI FORTRAN 8X Facilities for Array
Processing : New Syntax for Parallel
Computations"

by A. Wilson / ICL, London

Abstract : The ANSI Fortran Committee X3J3 has recently accepted proposals for array processing in Fortran (see CERN Computer Newsletter 155). These proposals have been used to express algorithms such as Batchers sort, FFT, telephone network simulation, black/white SOR, ADI, image process noise reduction, least squares, solution of linear equations, assignment problems, matrix inversion, ... These 'trial applications' will be discussed from such points of view as
- expressiveness of parallelism, - readability,
- conciseness, - efficiency of compilation,
- efficiency of execution, - suitability of different architectures. An attempt will be made to assess the completeness of the proposed language extensions : do they seem to form a basis for the expression of (known) parallel algorithms? Are they likely to be useful in the search for new parallel algorithms?

*) The seminar is expected to last until 17.00 hrs with the break of 1/2 hour around 15.30 hrs.

JEUDI 12 MARS

PRESENTATION TECHNIQUE

- 09h00/14h00 - CERN Meyrin
Parking PTT (Bât.63)
- 14h30/16h30 - CERN Prévessin
Parking Bât.867

HANS KNÜRR KG (D), représenté par KNÜRR AG (CH), expose un vaste ensemble d'armoires, de coffrets et d'accessoires s'y rattachant: armoires aluminium, acier, réfrigérées, postes de travail et de laboratoire, pupîtres, tiroirs, tiroirs ventilation, coffrets acier, aluminium 19" - armoire 25" avec cadre pivotant 19" - tiroirs et boîtiers de table, châssis porte-cartes, CAMAC/AEC-NIM, glissières télescopiques, supports d'appareils, chariots de laboratoires, composants électromécaniques, valise pour outillage, outillage pour l'électronique, réglettes à prise;

plus : R. RANK (CH), pupîtres sur mesure et articles profilés alu à la demande, POWER TRADE, DRUCKERT, ERDL & CO (D) alimentations, ZERO Corp. (USA), boîtiers étanches à l'humidité, caissons étanches, valises pour l'instrumentation, etc., PAC-TEC (USA), boîtiers en plastique pour instruments, HUNTRON-TRACKER (USA), appareils à détecter les pannes.

Langues : Allemand, anglais, français.

Renseignements : M. Diraison / FI / 4585.

(ii) µSR experiments

- SC 65 Local magnetic fields in ferro-magnetics studied by positive muon precession (CERN-Grenoble (CENG)-Uppsala; PSCC/81-5/M76).
- SC 76 Impurity trapping of positive muons in metals (CERN-Geneva-Jülich (KFA)-Uppsala; PSCC/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; PSCC/81-6/M77).

New proposals :

- Contribution of the CHARM collaboration to the CERN neutrino oscillation programme (CHARM collaboration; PSCC/81-8/P37; 81-9/S37).
- An experiment to measure the ν_e mass (ISOLDE collaboration; PSCC/81-11/P38; 81-12/S38).
- Radiobiological studies on the effects of neutrons produced from 600 MeV protons (Strahlenbiologisches Institut der Univ. Zurich-CERN; PSCC/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; PSCC/81-17/P40; 81-18/S40).

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

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; PSCC/80-129/156).
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; PSCC/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.; PSCC/81-20/M80).
 - SC 85 Element distribution and multiplicity of heavy fragments (Heidelberg (MPI)-Darmstadt (GSI); PSCC/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); PSCC/81-22/M82).
 - ISOLDE (PSCC/81-23/M83).

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

TUESDAY 17 MARCH

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.

TUESDAY 17 MARCH

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"SPS Experiments in 1979-80 - Part II"

by J. May / CERN

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).

DD SEMINAR

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

"Computing at IBM Research Center

by O. Martin / CERN-DD

THURSDAY 19 MARCH

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"Limits on Oscillations in the CERN
Wideband Neutrino Beam"

by Mike Tyndel / Rutherford and Appleton
Labs.

TRAINING AND **EDUCATION** **ENSEIGNEMENT**

JEUDI 12 MARS

ENSEIGNEMENT GENERAL

(Tél. 2844)

13h00/13h30 - Amphithéâtre

"Science pour Tous"

par R. Carreras

MARCH 18, 19 AND 20 MARCH

ACADEMIC TRAINING

(Tél. 2844)

at 11.00 hrs - Auditorium

"Least Square Method in Physics
and Engineering"

by Å. Björck / Univ. of Linköping

Abstract : The lectures aim at covering numerical methods representing 'the state of the art' for solving least squares problems in physics and engineering. Available software will be surveyed together with descriptions of the methods. The first lecture will give a brief background of basic matrix factorization. Then dense linear problems are treated including methods of updating the solution when new equations are added. Special consideration will also be given to weighted problems and constrained problems. The second lecture will describe some recent methods for solving large sparse problems. Also regularization of least squares problems arising from ill-posed problems such as deconvolution will be treated. The third lecture will discuss methods for non-linear problems and in particular some algorithms for separable linear/non-linear problems will be presented.

INFORMATIONS

GENERALES

GENERAL INFORMATION

ON RECHERCHE

La personne qui a reçu par erreur un colis de 5 kg. en provenance de la Maison Dupont de Nemours, est priée de bien vouloir téléphoner au 5657, Réception du SPS, W. Bonzon. Merci.

OBJETS TROUVES SUR LES DEUX SITES
au cours du mois de février 1981

- Le 2.2, une somme d'argent, trouvée vers l'entrée du Bât.10,
- Le 3.2, une paire de gants en cuir, trouvée dans les toilettes "Dames" au 1er étage du Bât.5,
- Le 4.2, un trousseau de 3 clés, (porte-clés St. Christophe), trouvé sur le Site Meyrin,
- Le 9.2, une paire de gants en cuir "Hommes" trouvée PTT, Bât.63,
- Le 9.2, une paire de gants en cuir "Dames" trouvée PTT, Bât.63,
- Le 9.2, un porte-monnaie contenant une somme d'argent, trouvé à la Cafeteria du Bât.864,
- Le 12.2, une paire de lunettes de soleil, trouvée au Bât.892,
- Le 17.2, une chaînette en argent, trouvée au Bât.862.

A réclamer au Service de Secours et Sécurité des Sites, Bât.65.