

SEMINARS SEMINAIRES

Lundi 30 mai

SÉMINAIRE EF

à 11.00 h – Salle de Conférence EF, bât. 13, 2-005

Le PS source de particules du CERN

par Y. BACONNIER / CERN-PS

Sept particules différentes sont, ou seront, accélérées par le PS qui délivre ainsi aux utilisateurs du CERN une vingtaine de faisceaux de caractéristiques différentes. Toutes les particules de haute énergie utilisées au CERN passent par cette gare de triage unique au monde. Les caractéristiques de ce faisceau seront données, ainsi que leurs trajets à travers le CERN. A titre d'exemple, les manipulations de faisceaux destinées au chargement du SPS en antiprotons seront décrites.

Mardi 31 mai

PRÉSENTATION TECHNIQUE

de 09.00 h à 12.00 h et de 14.00 h à 16.00 h –
Parking PTT, bât. 63

GLASSEY SA (CH) propose en exposition :

- armoires et coffrets de distribution électrique de SCHIAVI (I)
- machines manuelles et pneumatiques pour le débitage/perçage des profilés en aluminium pour châssis tableaux électriques de COUPDIN (F)
- machines pour perçage, pliage du cuivre et pour le perçage des tôles de MULTIFOR (I)
- système de distribution pour fils et câbles électriques pour industries et chantiers de CABLOTEC (CH).

Langue : français

Renseignements : M. Diraison / FI / 4585

Tuesday 31 May

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*)

The stability of nuclear reactions in stars

by R. KIPPENHAHN / MPI, Institute for Astrophysics, Garching

The thermodynamic properties of stars make it possible that under normal conditions thermonuclear reactions in stars are stable. However, there are cases in which they are not. Thermo-runaways as well as cases of over-stability can occur during otherwise relatively quiet phases of stellar evolution. The problem is discussed with the help of a simple model.

*) Tea and coffee will be provided at 16.00 hrs.

Wednesday 1,

Thursday 2 and Friday 3 June

LEP EXPERIMENTS COMMITTEE

OPEN SESSION

Wednesday 1 June at 09.00 hrs – Auditorium

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|-----------------------|---|
| 09.00 hrs - 09.15 hrs | Statement
by the Director-General |
| 09.15 hrs - 09.45 hrs | F. BONAUDI
Logistics of the Installation of
the Experiments |
| 09.45 hrs - 10.15 hrs | E. PICASSO
Status of the LEP Project |
| 10.45 hrs - 11.45 hrs | ALEPH |
| 11.45 hrs - 12.45 hrs | DELPHI |
| 14.00 hrs - 15.00 hrs | OPAL |
| 15.00 hrs - 16.00 hrs | L3 |

CLOSED SESSIONS

Wednesday 1 June at 17.00 hrs –
6th Floor Conf. Room, Admin. Bldg.

Thursday 2 June at 09.00 hrs –
6th Floor Conf. Room, Admin. Bldg.

Friday 3 June at 09.00 hrs –
6th Floor Conf. Room, Admin. Bldg.

Mercredi 1 juin

PRÉSENTATION TECHNIQUE

de 09.30 h à 16.00 h – bât. 17, 1-007

PHILIPS SA (D/NL/S) propose en exposition
démonstration :

- oscilloscopes 100 MHz/2 voies, à mémoire
numérique 35 MHz/4 voies, à mémoire numérique
- compteur-fréquence-mètre
- analyseur logique
- synthétiseur HF
- sonde série V 24 / RS 232
- système de développement multiposte
- imprimante mosaïque
- enregistreur centralisateur 15 à 30 voies

Langues : allemand, anglais, français

Renseignements : M. Diraison / FI / 4585

Wednesday 1 June

PRESENTATION

at 10.30 hrs – DD Amphitheatre,
bldg. 31, 3rd floor

The Kontron PSI 900 and PSI 9000 Microcomputers

by W. HESSE, Export Manager Kontron Germany,
Eching

The Kontron PSI 900 and PSI 9000 series of micro-computers will be presented with special emphasis on the possibility of running UNIX on these computers. The model PSI 9068 uses the cpu board of the SUN Workstation manufactured by SUN Microsystems. The current UNIX version is based on V7, however it is planned to move to BERKELEY 4.2 bsd as soon as it is available. Kontron's local area network 'KOBUS' and plans for support of Ethernet will also be discussed.

Wednesday 1 June

PS SEMINAR

at 11.00 hrs – PS Auditorium, bldg. 6, 2-024

Longitudinal instabilities in the NSLS* 750 MeV electron storage ring

by F. PEDERSEN

*) National Synchrotron Light Source at Brookhaven
National Laboratory

Longitudinal coupled bunch instabilities are observed at intensities several orders of magnitude below design intensity. Mechanisms limiting their amplitude are presented as well as methods for raising their thresholds.

Wednesday 1 June

CERN COMPUTER SEMINAR

at 16.00 hrs – Council Chamber*)

The Newcastle Connection

by Brian RANDELL / Computing Laboratory,
University of Newcastle upon Tyne, UK

A description will be given of the 'Newcastle Connection' a software subsystem that can be added to each of a set of physically interconnected UNIX or UNIX look-alike systems, so as to construct a distributed system which is functionally indistinguishable at both the user and the program level from a conventional single-processor UNIX system. The techniques used are applicable to a variety and multiplicity of both local and wide area networks, and enable all issues of inter-processor communications, network protocols, etc., to be hidden.

*) Coffee and tea will be served before the seminar at 15.30 hrs.

Lundi 6 juin

SÉMINAIRE EF

à 11.00 h – Salle de Conf. EF, bât. 13, 2-005

Le SPS : accélérateur haute intensité, collisionneur proton-antiproton et injecteur d'électrons

par J. GAREYTE / SPS

Tuesday 7 June

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Experimental constraints on weak mixing angles in the six quark scheme

by K. KLEINKNECHT / Institut für Physik der
Universität Dortmund, Dortmund, Federal
Republic of Germany

Wednesday 8 June

INTERSECTING STORAGE RINGS COMMITTEE OPEN SESSION

at 09.30 hrs – ISR Auditorium, bldg. 30, 7th floor

- i. Report on the status of experiment R 704, Charmonium Spectroscopy with a hydrogen jet target, S. Baird, M. Macri, M. Poulet.

2. Report on the status of experiment R 422, Heavy flavour production at $\sqrt{s} = 62$ GeV, spokesman A. Zichichi.

CLOSED SESSION

at 11.30 hrs – 6th Floor Conf. Room,
Admin. Bldg.

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GÉNÉRAL Tél. 2844

Jeudi 2 juin

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous –

par R. CARRERAS

ACADEMIC TRAINING Tél. 2844

30 and 31 May

at 11.00 hrs – Auditorium

Spectroscopy of new particles with e^+e^- colliders

by G. J. FELDMAN / SLAC

Lectures 4 and 5

2 and 3 June

at 11.00 hrs – Auditorium

Building theories from examples :
recent progress in computer induction

by D. MICHIE / University of Edinburgh

Lectures 1 and 2

(For abstract, see last week's Bulletin.)

6, 7, 8, 9 and 10 June

at 11.00 hrs – Auditorium

The grounds for belief in science

by J. ZIMAN / Imperial College, London

Philosophers emphasize the rationality of science, but have not succeeded in proving that physics must be true. Sociologists insist that all knowledge systems (including physics!) are merely social conventions, but cannot then account for the practical reliability of scientific theories (especially physics!). In reality, science has logical, communal, and personal dimensions, which all interact. Scientific knowledge is credible because it is the product of a community of individuals devoted to exploring nature, and striving towards a consensus on what