

to accomplish this task will be discussed with an emphasis on experiences at the Mississippi farm where 1/3 of the reconstruction took place.

Organiser : D. Kemp / CN

* Please note unusual day

Monday 17 October

PPE SEMINAR

at 16.30 hrs – Auditorium

OPAL measurements of B hadron lifetimes

by Tara SHEARS / Cambridge University

The lifetimes of the individual B hadron species have been measured using data taken by the OPAL detector at LEP. After a brief introduction to the subject, the analyses developed to extract the B_d^0 , B^+ and B_s^0 mesons and b baryon lifetimes will be described. These hadrons are identified by their semileptonic decay to charm hadrons. Their reconstructed decay lengths are combined with an estimate of the B hadron boost to

determine the proper time of each event, which is then fitted to extract an average lifetime. The most recent results, based on data taken until the end of 1993, will be presented.

Thursday 20 October

TECHNICAL PRESENTATION

09.15-12.00 hrs – bldg 31/3-005 : talks

14.00-16.00 hrs – bldg 73/2-027 : questions & discussions

THOMSON-CSF offer for high energy physics

by J. P. BRAULT / Nuclear and defence affairs

A. CHAPPAT / Regional director

G. EUMURIAN / Head of special instrumentation department

J. REDOLFI / Analog and mixed signal ASIC marketing support

J.P. LAMARCQ / Area manager

Languages : English, French

Information : M. Diraison / FI-A / 4585

EDUCATION SERVICES EDUCATIFS

ACADEMIC TRAINING

Tel. 3127

LECTURE SERIES

11, 12, 13 & 14 October

11.00-12.00 hrs – Auditorium

Introduction to Quantum Field Theory

by L. ALVAREZ-GAUMÉ / CERN-TH

The purpose of this lecture is to review some elementary aspects of quantum field theory. From the necessity to introduce quantum fields once quantum mechanics and special relativity are put together, to some of the basic practical computational tools in the subject, including the canonical quantization of simple field theories, the derivation of Feynman rules, computation of cross sections and decay rates, some introductory remarks on the treatment of unstable states and the possible realization of symmetries in a general field theory. The audience is required to have a working knowledge of quantum mechanics, special relativity and it would also be desirable to know the rudiments of relativistic quantum mechanics.

17, 18, 19, 20 & 21 October

11.00-12.00 hrs – Auditorium

Electro-weak interactions

by P. LANGACKER / University of Pennsylvania, USA

ENSEIGNEMENT GÉNÉRAL

Tél. 5811

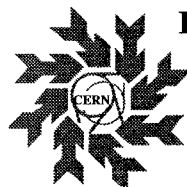
Jeudi 13 octobre

à 13.00 h – Amphithéâtre

Science pour tous

par Rafel CARRERAS

Reprise. Attention : il n'y aura pas de séance le 20 octobre.



ENSEIGNEMENT TECHNIQUE TECHNICAL TRAINING

Monique Duval ☎ 44.60
eductech@cernvm

Informations sur les cours, dates et places disponibles sur serveur :

Information about the courses, dates and places available on server :

PE Division - SRV1_PE (Guest) - COM - TRAINING -

CoursET.fm (sans mot de passe - no password)

Lundi 10 octobre

PERMANENCE BUREAUTIQUE

Valérie Huret

Enseignement Technique
salle 15 - bât.593

La matinée sera consacrée à résoudre les problèmes individuels qui ont été posés au préalable. Les personnes concernées ont été convoquées personnellement.

Dès 14 h.00 – Atelier

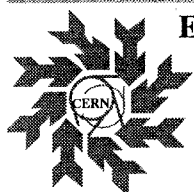
Les tableaux dans WORD

Tous les problèmes de mise en page de tableaux seront abordés, y compris l'importation de tableaux à partir d'Excel et la mise à jour automatique (fonction Create Publisher, etc.). La participation à l'atelier est publique, sans inscription préalable.

Prochaine Permanence

Vendredi 21 octobre

SL – Salle Adams – bât.864



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Technical Seminar

November 21-22-23, 1994 - 3 days

ESA Software Engineering Standards

Jonathan Fairclough
Group Quality Manager
Cray Systems

The aim of this course is to train software engineers and software project managers to apply the ESA PSS-05-0 Software Engineering Standards efficiently and effectively.

The course is aimed at software engineers and project managers who apply or intend to apply the ESA PSS-05 software engineering standards. It is also aimed at people responsible for preparing user requirements documents and liaising with software projects applying the ESA PSS-05 standards.

The main features of the course are :

- balanced coverage of the complete software life cycle
- guidance on the use of methods and tools
- practical examples from real projects
- exercises to test understanding.

The course will be given in twelve periods over the three days. The session titles are :

1. the software life cycle
2. user requirements definition
3. software requirements definition
4. architectural design
5. detailed design and coding
6. integration, transfer, operations and maintenance
7. software project management
8. software configuration management
9. software verification and validation
10. advanced software verification and validation
11. software quality assurance
12. Computer Aided Software Engineering (CASE)

If you wish to apply for this seminar, please fill in the usual "Application for training" form which can be obtained from your Divisional secretariat or your Divisional Training Officer (DTO).

A financial contribution of CHF 600,- per person will be charged to the Divisions.

Le cours

Eléments de cryogénie

donné par la CUEFA-Grenoble commencera le

2 novembre 1994

Les personnes qui souhaitent participer à ce cours sont priées de s'inscrire le plus rapidement possible. Pour toute information concernant le contenu et l'organisation du cours (qui se donne au CERN), prière de se référer au programme paru dans la brochure de l'Enseignement Technique ou sur le serveur mentionné ci-contre.

Developing Reports with Oracle Reports V2

Oracle UK
4 days - November 21 to 24, 1994

A key component of the CDE tools, Oracle Reports V2 enables database information to be structured, formatted, and combined with text and graphical data for presentation in reports. The course includes many practical exercises, showing how to develop simple layouts as well as complex report structures.

Contents summary :

- **Getting started :**
Product overview, designing reports, simple report based on an external query, understanding Oracle reports objects.
- **Data model basics :**
Queries and links, groups, columns.
- **Layouts basics :**
Frames & repeating frames, fields, boilerplate & anchors default layouts.
- **Report storage method :**
Parameters & references, filters & file columns
- **Layout object properties :**
Common and Object-specific.
- **Matrix reports :**
Simple matrix & matrix break reports, nested matrix reports and summarising.
- **Procedural processing :**
Triggers, using PL/SQL, the SRW package.
- **The parameter form**
- **Moving from V1.1 to V2**
- **Development in different environments**
- **Integrating Oracle Report with other products**

A good knowledge of SQL and PL/SQL is assumed.

If you wish to apply for this seminar, please fill in the usual "Application for training" form which can be obtained from your Divisional secretariat or your Divisional Training Officer (DTO).

A financial contribution of CHF 800,- per person will be charged to the Divisions.