

2. Voyages dans l'Espace Schengen

Il est rappelé que les titulaires d'un titre de séjour français (cf. ci-dessus) n'ont pas besoin de visas pour voyager dans les pays appliquant la Convention de Schengen (actuellement: Allemagne, Autriche, Belgique, Espagne, France, Grèce, Italie, Luxembourg, Pays-Bas et Portugal).

Service des Relations avec les Pays-hôtes
Tél. 75152

2. Travel in the Schengen Area

It should be remembered that holders of a French residence document (c.f. above) do not require visas to travel in the countries applying the Schengen Agreement (currently: Austria, Belgium, France, Germany, Greece, Italy, Luxembourg, Netherlands, Portugal and Spain).

Relations with the Host States Service
Tel. 75152

SEMINARS SEMINAIRES

Vous pouvez aussi consulter

For information on these seminars, please see

<http://wwwas.cern.ch/Bulletin/Seminars/current.html>

Monday 8 to Friday 12 June

WORKSHOP ON COSMOLOGY AND PARTICLE
PHYSICS - CAPP-98

Monday 8 June – Auditorium, bld. 500

- 08.45 - 09.00 Opening remarks
- 09.00 - 09.45 Wendy Freedman: Measuring the cosmological parameters with the HST
- 09.50 - 10.35 Saul Perlmutter: Results from the Supernova Cosmology Project
- 10.40 - 11.00 Will Saunders: Present results from the PSCz galaxy survey
- 11.00 - 12.00 *Coffee Break*
- 12.00 - 12.20 Veniamin Berezhinsky: High-Energy Cosmic Rays from Cosmological Relics
- 12.25 - 12.45 Kai Zuber: Status and perspectives of neutrino mass searches
- 12.50 - 13.10 Enrique Gaztañaga: Estimators of clustering from different galaxy surveys
- 13.10 - 14.10 *Lunch Break*
- 14.10 - 14.55 Robert Kirshner: Cosmological parameters from High Redshift SNe
- 15.00 - 15.20 Ruth Durrer: Primordial Magnetic Fields
- 15.20 - 15.50 *Coffee Break*
- 15.50 - 16.10 Thibault Damour: Gravitation, cosmology, and experiment
- 16.15 - 16.35 Philippe Jetzer: Gamma Rays from the Galactic Halo
- 16.40 - 17.00 Franco Occhionero: A bubbly Universe
- 17.00 - 17.15 *Short Break*
- 17.15 - 17.35 Tanmay Vachaspati: On random bubble lattices
- 17.40 - 18.00 Karsten Jedamzik: Primordial Black Hole Formation during QCD epoch
- 18.05 - 18.25 Robert Caldwell: The missing energy problem in cosmology
- 18.30 - 18.50 Orfeu Bertolami: S-modular quantum cosmology

Tuesday 9 June – Auditorium, bld. 500

- 09.00 - 09.45 George Smoot: Review of CMB observations, current and future experiments
- 09.50 - 10.35 Dick Bond: Theory of CMB temperature fluctuations
- 10.40 - 11.00 Luca Amendola: Gaussian and non-gaussian structures of the microwave background
- 11.00 - 12.00 *Coffee Break*
- 12.00 - 12.20 Max Tegmark: Cosmic complementarity
- 12.25 - 12.45 Angelica de Oliveira-Costa: Recent results from QMAP
- 12.50 - 13.10 Jim Bartlett: The promise of the Sunyaev-Zel'dovich effect
- 13.10 - 14.10 *Lunch Break*
- 14.10 - 14.55 Avishai Dekel: Cosmological parameters from Large Scale Structure
- 15.00 - 15.20 Ignatios Antoniadis: Conformal invariance and cosmic background radiation
- 15.20 - 15.50 *Coffee Break*
- 15.50 - 16.10 Andy Albrecht: New paradigms for causal structure formation
- 16.15 - 16.35 Charley Lineweaver: CMB anisotropy constraints on cosmological parameters
- 16.40 - 17.00 Gia Dvali: Extra dimensions at a millimeter
- 17.00 - 17.15 *Short Break*
- 17.15 - 17.35 Enrique Martinez-Gonzalez: Statistical analysis of CMB maps
- 17.40 - 18.00 Mark Hindmarsh: Cosmic strings, dead again?
- 18.05 - 18.25 Joanne Cohn: Some properties of Open Universe Field Theory

Wednesday 10 June – Auditorium, bld. 500

- 09.00 - 09.45 Andrei Linde: Present status of Inflationary Theory
- 09.50 - 10.35 Slava Mukhanov: Theory of cosmological perturbations
- 10.40 - 11.00 Robert Brandenberger: Backreaction of cosmological perturbations

11.00 - 11.30 *Coffee Break*
 11.30 - 11.50 Rocky Kolb: Precision tests of the standard model of inflation
 11.55 - 12.15 Lev Kofman: Reheating and preheating after inflation
 12.20 - 12.40 Richard Holman: Aspects of non-equilibrium QFT with applications
 12.40 - 14.00 *Lunch Break*
 14.00 - 14.40 Peter Coles: Theory of structure formation
 14.45 - 15.15 Joshua Frieman: Large Scale Structure from Galaxy Surveys
 15.15 - 15.40 *Coffee Break*
 15.40 - 16.00 Gabriele Veneziano: Review of Pre-Big-Bang cosmology
 16.05 - 16.25 Nemanja Kaloper: Initial conditions in Pre-Big-Bang cosmology
 16.30 - 16.50 Pierre Binetruy: Topics in strongly coupled superstring cosmology
 16.55 - 17.10 *Short Break*
 17.10 - 17.30 Martin Bucher: Low-density universe and inflation: theory and observations
 17.35 - 17.55 Misao Sasaki: Super-horizon scale dynamics of multi-field inflation
 18.00 - 18.40 Jaume Garriga/Raphael Bousso: Open inflation and the Hawking-Turok model

Thursday 11 June – Council Chamber, bld. 503

The morning session is dedicated to the memory of David Schramm

09.00 - 09.45 David Tytler: Cosmological Baryon Density
 09.50 - 10.35 Gary Steigman: Review of Primordial Nucleosynthesis
 10.40 - 11.00 Rafael Rebolo: Recent results on Li7 abundance
 11.00 - 11.30 *Coffee Break*
 11.30 - 11.50 Alexandre Dolgov: Possible variation of primordial abundances
 11.55 - 12.15 Hannu Kurki-Suonio: Inhomogeneous Big-Bang Nucleosynthesis
 12.20 - 12.40 Jan B. Rehm: Big-Bang Nucleosynthesis with matter/antimatter domains
 12.40 - 14.00 *Lunch Break*
 14.00 - 14.45 Andy Cohen: Review of Baryogenesis
 14.50 - 15.10 Mariano Quirós: Electroweak baryogenesis in the MSSM
 15.10 - 15.40 *Coffee Break*
 15.40 - 16.00 Wilfried Buchmüller: Leptogenesis and Dark Matter
 16.05 - 16.25 Kari Enqvist: Baryogenesis, Dark Matter, and Q-balls
 16.30 - 16.50 Kimmo Kainulainen: Supersymmetric electroweak baryogenesis
 16.55 - 17.10 *Short Break*
 17.10 - 17.30 Jean Orloff: Production of antimatter in our galaxy
 17.35 - 17.55 Tomislav Prokopec: Baryons from scalars
 18.00 - 18.20 Michael Joyce: Electroweak baryogenesis on a thick bubble wall

Friday 12 June – TH Conference Room, bld. 4

09.00 - 09.45 Bernard Sadoulet: Searches for Dark Matter
 09.50 - 10.35 Michel Spiro: MACHOs in our halo: present status and prospects

10.40 - 11.00 Carlos Pérez de los Heros: The AMANDA neutrino telescope
 11.00 - 11.30 *Coffee Break*
 11.30 - 11.50 Paul Baillon: Recent results from AGAPE
 11.55 - 12.15 Joe Silk: Resolving the MACHO mass problem
 12.20 - 12.40 Wayne Hu: The nature of Dark Matter from high-precision CMB and LSS data
 12.40 - 14.00 *Lunch Break*
 14.00 - 14.20 Goran Senjanovic: The monopole problem: 1998
 14.25 - 14.45 Subir Sarkar: High-energy cosmic rays from relic particle decays
 14.50 - 15.10 Leszek Roszkowski: Neutralino as Dark Matter: a theoretical perspective
 15.15 - 15.45 *Coffee Break*
 15.45 - 16.05 Alessandro Bottino: Relic Neutralinos and Dark Matter
 16.10 - 16.30 Domizia Orestano: Recent results from the short baseline neutrino oscillation experiments at CERN
 16.35 - 17.15 Samuel Ting: Hot results from AMS

Wednesday 10 June

EMBEDDED-SYSTEM USERS MEETING*

10.00-12.00 hrs – IT-Auditorium, bld. 31/3-005

Agenda

Real-Time Operating Systems:

10.00 - Problems with OS-9 Systems Down the Road and How to Avoid Them
 10.30 Martin Merkel (IT-CE)
 10.30 - LynxOS status report
 11.00 Julian Blake (IT-CE)
 11.00 - Windows NT in Real-Time and Embedded Systems
 11.20 Martin Merkel (IT-CE)

User Presentations:

11.20 - The Area Controller (ARCON) for Radiation Monitoring at CERN
 11.40 Jens Fritze (TIS-TE)
 11.40 - The LEP Luminosity Monitors
 12.00 Bernd Dehning (SL-BI) / Enrico Bravin (PS-BD)

**) The meeting is open to users from CERN and collaborating institutes only.*

Organiser: M. Merkel (IT-CE) Tel. 75024

Wednesday 10 June

COMPUTING SEMINAR

at 16.00 hrs – IT Auditorium, bld. 31/3-005

Summary of the 15th IEEE Symposium on Mass Storage Systems

by H. RENSALL / CERN-IT

The IEEE and Nasa Goddard Mass Storage Systems Symposia are now merged into a single annual meeting the last one being held in Maryland from 23-26 March 1998. Papers covered Architectures, with Network Attached Storage being prominent, performance both of storage systems and individual disk and magnetic tape devices, standards emerging in mass storage and some interesting new technologies.

Information : <http://consult.cern.ch/seminars>

Organiser : G. Folger / IT

Thursday 11 June

SL SEMINAR

at 16.00 hrs* – SL Auditorium, bld. 864

Measurement of charged particle production from 450 GeV/c protons on Beryllium

by Tommaso TABARELLI DE FATIS / INFN Milano

The NA56/SPY experiment has measured the production rates of charged particles from 450 GeV/c protons hitting beryllium targets. Data have been collected over a secondary particle momentum range from 7 GeV/c to 135 GeV/c and up to 600 MeV/c of transverse momentum. Our data extend to lower secondary momenta the measurements performed about 20 years ago at CERN by Atherton et al..

Besides its general interest, the measurement of secondary particle fluxes is of particular importance for the precise evaluation of fluxes and composition of neutrino beams at high energy accelerators.

The SPY experiment has been performed using the NA52 spectrometer in the H6 beam in the North Area of the SPS at CERN. To achieve the required experimental accuracy, special care has been devoted to the study of the spectrometer acceptance, to the calibration of the primary proton beam intensity and to the measurement of the secondary beam momentum.

The physics motivations of the experiment will be reviewed and the experimental method described. Results on the production yields of charged particles and their ratios will be reported and comparisons to previous measurements will be made in the area of overlap. Yields from targets of different lengths and shapes will be discussed and the results used to derive inclusive invariant cross-sections

**Tea and coffee will be served at 15.30 in front of the Auditorium*

Friday 12 June

ECFA MEETING

at 09.30 hrs – Council Chamber, bld. 503

- 09.30 1. Approval of the Draft Minutes of the Sixty-second Plenary ECFA Meeting
2. Adoption of the Draft Agenda
09.45 3. Chairman's Report
10.30 4. Election of the ECFA Chairman for 1999 - 2001
Coffee
11.30 5. CERN Matters (C.H. Llewellyn Smith)
11.45 6. Options for the Future of CERN (J. Ellis)
Lunch
14.30 7. Expected Performance of LEP 1999-2000 (K. Hübner)
15.30 8. Report on the ECFA/DESY Workshop on LC (D. Miller)
16.30 9. The CERN/ECFA Outreach Group (F. Close)
17.00 10. Any Other Business.
17.15 End of meeting.

Friday 12 June

IT TRAINING TUTORIAL

14.00-16.00 hrs – IT Auditorium, bld. 31/3-004

Introduction to Excel 97

by James PURVIS / CERN-AS

This tutorial is intended as a brief overview of one of the Microsoft Office components, Excel. It covers the following:

- * A brief overview of Excel
- * Whats new & different about Excel97
- * From worksheets to graphics and charts
- * Working with lists and analyzing data with Pivot Tables
- * Taking your data to the Web
- * An Introduction to Application development using Visual Basic from Applications

This is a repetition of the tutorial given last year in August and September.

Information: <http://wwwinfo.cern.ch/support/training>

Organisers: M.Marquina and R.Ramos /IT-User Support

Mardi 16 juin

PRÉSENTATION TECHNIQUE

09.00-12.00 h & 14.00-16.00 h – BUS/Parking bât. 252

Transair et système de raccordement à connexion instantané

par P. ANTONELLO / Legris AG Bienne

“Spécialiste mondial des connexions industrielles en basse pression, Legris SA intervient partout où des circuits de fluides commandent, alimentent ou refroidissent des machines ou équipements.

Connexions instantanées pour air comprimé, pour liquides et gaz, pour ambiances et fluides corrosifs, tubes tuyaux techniques, robinetterie basse, moyenne et haute pression: les gammes de produits Legris répondent aux attentes industrielles du monde entier

•Système TRANSAIR® instantanément monte, immédiatement modifié. Ce nouveau concept de la distribution d'air comprimé ne pouvait naître que d'une analyse fine du marché des réseaux d'air et d'une totale maîtrise de la connexion instantanée. Des composants – connexions, brides de dérivation et robinets – à montage immédiat, démontables, interchangeable et réutilisables, sont au coeur de cette innovation. Raccordés en un seul geste au tube calibré aluminium TRANSAIR®, ils assurent instantanément la mise en pression de vos réseaux d'air comprimé.

Langue : français, allemand, l'italien, anglais

Information : S.Shearer / SPL-PS / 76360

Mardi 16 juin

PRÉSENTATION TECHNIQUE

09.00-12.00 h – BUS/Parking bât. 252

PRODUITS BOSCH – Profilés aluminium, places du travail

par Reto DECKER/New Ingenia

Connu du monde entier pour ces produits de haute qualité, BOSCH sera sur le site du CERN pour vous présenter les avantages des constructions en profilés aluminium. Qu'ils soient destinés à la réalisation de bâtis, de cabines de protection, d'unités de déplacement ou de chariots de transport.

La gamme est complétée par une large palette de liaisons démontables, un vaste programme de guides linéaires ainsi que les multiples accessoires permettent des solutions rapides et simples pour une production effective.

Langue : français

Information : S.Shearer/ SPL-PS / 76360

Tuesday 16 June

TECHNICAL PRESENTATION

at 10.00 hrs – IT Auditorium, bld. 31/3-004-5

True SXGA projection with the new JVC

ILA (Image Light Amplifier) projector

by S. Galata, Audio-Visuel BT S.A. & Mr Helou, JVC Switzerland

Audio-Visuel will demonstrate the new JVC ILA (Image Light Amplifier) projection system which will project true SXGA (1,280X1,024) colour images without compression. This projector contains many new innovations such as Adaptive Digital Pixel Conversion which insures that you get a smooth picture projection no matter what the input resolution, and has a light output of 1,000 ANSI Lumens from a user replaceable Xenon lamp. The projector also has an RS232 serial port enabling it to be controlled directly from a computer.

Organiser : S. Cannon / IT / 75036

Tuesday 16 June

IT TRAINING TUTORIAL

14.00-16.00 hrs - IT Auditorium, bld. 31/3-004

Basic Concepts in Object Oriented Programming

by Raul RAMOS POLLAN / CERN-IT

This tutorial presents a simple explanation of the fundamental ideas behind the so-called Object Oriented Paradigm. With a general approach, it will provide you with the basic understanding to be able to think OO and learn OO languages and techniques. Aspects like maintenance and reuse of code, quality, and large projects design and implementation will be discussed within the OO framework, and some of the reasons behind such benefits will be outlined. The talk will be general enough not to require any previous knowledge of any programming language but some insight in software development would be convenient. In the same way, the talk will give you the basics to learn any OO based methodology or language.

This is a repetition of the presentation given on February 13th.

Information: <http://wwwinfo.cern.ch/support/training>

Organisers: M.Marquina and R.Ramos /IT-User Support

Wednesday 17 June

PS SEMINAR

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

Review of PS Contributions to EPAC'98

Oral presentations start from 11.00 hrs onwards.

Posters will be on display from 9.00 a.m. to 4.00 p.m. in the PS Large Conference Room (bldg 6 2-004).

Organiser: Dieter Möhl/PS

Thursday 18 June

CERN COLLOQUIUM

at 16.30 hrs – Auditorium, bldg 500*

High precision determination of the fine structure constant as test of quantum mechanics.

by Toichiro KINOSHITA / Cornell University.

The fine structure constant α has been measured very

precisely (few parts in 10^8 or better) based on various physics. Some are based on well-known methods such as quantum Hall effect, AC Josephson effect, electron g-2, muonium hyperfine structure, and Helium atom fine structure. However, some new methods are now available such as those based on neutron de Broglie wavelength, atom interferometry, and single electron tunnelling. These diverse α can be compared with each other because they are based on the same physics, i.e., quantum mechanics. This enables us to obtain a quantifiable measure of success of quantum mechanics (in a generalized sense).

Organiser : Luigi Di Lella / EP Division

* Tea & coffee will be served at 16.00 hrs.

Friday 19 June

IT TRAINING TUTORIAL

10.00-12.00 hrs - IT Auditorium, bld. 31/3-004

Accessing UNIX Services from a PC

by Miguel MARQUINA / CERN-IT

PCs may be used to work on all centrally provided services and not only in the NICE environment. You may use them as X-terminals through the use of special connectivity software such as `_Exceed_` (currently recommended at CERN). This tutorial is intended as an introduction to the use of `_Exceed_`, presenting its basic configuration options and tips to follow on both the PC and UNIX sides. Attention will also be given to the way to interact and exchange information between the two worlds.

The presentation is aimed to novice PC users who require to work as well on UNIX Services such as CERNSP or HPPLUS; only basic understanding on how to set a PC application or the use of connectivity applications such as "telnet" will be expected.

Information: <http://wwwinfo.cern.ch/support/training>

Organisers: M.Marquina and R.Ramos /IT-User Support

POUR INFORMATION / FOR INFORMATION

LAPP – Laboratoire d'Annecy de physique des Particules
F74941 – Annecy-le-Vieux

Informations : Pascal Perrodo, tél. 04 50 09 16 00

Vendredi 12 Juin

à 14.00 h – Amphithéâtre LAPP

La physique des photons directs en collisions hadroniques

par Monique WERLEN / CERN - EP

La recherche d'un Higgs de masse intermédiaire (solution préférée des dernières estimations) se désintégrant en deux photons passe par une détermination précise du fond gamma au LHC. De plus, la mesure des photons directs à grande impulsion transverse dans les interactions hadroniques constitue un des principaux tests de la chromodynamique quantique perturbative. On fera le point de l'état de nos connaissances sur les productions de photon unique et de paires de photons. On analysera les implications phénoménologiques de ces études pour la distribution de gluons dans le proton et la détermination de la constante de couplage des interactions fortes. Les difficultés expérimentales de ces mesures, tant en cible fixe qu'en collisionneurs, seront présentées en détail.