

Friday 2 May*

SL SEMINAR

at 16.00 hrs - SL Auditorium, Preveessin, bldg. 864**

The **SPS** as LHC injector

by Paul COLLIER & Karl-Heinz KISSLER / CERN

The LHC will make use of several of CERNs existing accelerators to form the LHC injector chain. The final link in this chain is the SPS, which is required to deliver high brilliance proton beams to the LHC at 450 GeV/c.

The requirements specified by the LHC design and the constraints imposed by the pre-injectors will be summarised, followed by a description of the modifications and upgrades needed in the SPS. These include the provision of a new extraction channel in LSS4 as well as changes to many of the major hardware systems in the SPS.

For the LHC beam in the SPS, there are two major challenges. One is the preservation of the small transverse emittance to maintain the required beam brilliance, while the other is the longitudinal beam dynamics. Both topics are actively being studied as part of the SPS machine development programme. The main areas of concern are mentioned, together with some of the potential hardware solutions to cure them.

* **Please note unusual date!**

** Coffee and tea will be served at 15.30 hrs in front of the auditorium

Monday 5 May

SPECIAL LHC TECHNICAL SEMINAR

at 15.30 hrs - LHC Auditorium, bldg. 30 (7th fl.)

The LHC Project Oral Presentations
at the PAC'97 Vancouver

Some of the LHC Project contributions which have been accepted for oral presentation at the coming Particle Accelerator Conference, Vancouver, will be presented in this special seminar. A more detailed programme will be available from the LHC Project Web pages.

Seminar co-ordinator: R. Schmidt / LHC

Mardi 6 mai

LIBRARY SCIENCE TALKS 1997

à 10.00 h - Salle de conférence TH

Bibliothèques virtuelles, bibliothèques numériques
par Corrado PETTENATI / CERN

Wednesday 7 May

CERN HEAVY ION COLLOQUIUM

at 14.30 hrs - ECP Conference Room (13-2-005)

Transverse momentum spectra in
nucleus-nucleus collisions

by Andrei LEONIDOV

The calculation of transverse momentum spectra in nuclear collisions in hydrodynamic and droplet model approaches is compared.

A discussion of whether the data show transverse collective flow is given.

Organisers: Y. Foka and C. Lourenço

Friday 16 May

WORKSHOP ON ELECTRONIC PUBLISHING IN PHYSICS

at 09.15 hrs - IT Auditorium, bldg. 31/3-005

The CERN Scientific Information Policy Board is organizing a workshop on trends in electronic publishing to discuss the current status and the potential of this new area for meeting the needs of accessing scientific documentation in Physics. The Board invites a group of professionals working in electronic publishing (users and producers) to attend this workshop. It will be of great interest to listen to people, from both Europe and America, who are studying, developing and distributing electronic publications in Physics.

Draft programme

Chairman Gabriele Veneziano

09.15 G. Veneziano. Introduction: purpose of the meeting

09.30 Frank Laloe (European Physical Society)

10.00 Martin Blume (American Physical Society)

10.30 Arie Jongejan (Elsevier Publishing)

11.00 Coffee break

11.30 Alan Singleton (IOP Publishing)

12.00 Douglas LaFrenier (AIP Publishing)

12.30 Lunch

14.15 Urda Beiglboeck (Springer-Verlag Publishing)

14.45 Daniele Amati and Marco Fabbrichesi (SISSA - Trieste)

15.15 Andy Cohen (Boston University)

15.30 Coffee break

15 A3 Round table with all speakers: Mick Draper (Moderator)

17.00 Summary of the day: Ken Peach

The workshop is open to all CERN staff, and those linked to Scientific Information-related tasks are sure to find them of particular interest. This flier is also distributed to some external libraries interested in the topic to invite their librarians to attend. Speakers and external guests should be at the Reception of CERN building 33 at 08:50 to be guided to the conference room.

You can register to attend by contacting Ms. Anita Olofsson by telephone (022) 767.24.31 or electronic mail: Anita.Olofsson@cern.ch.

EDUCATION SERVICES EDUCATIFS



Information sur les cours, dates et places disponibles sur WWW:
Information about the courses, dates and places available on WWW:

<http://www.cern.ch/Training/>

ENSEIGNEMENT GENERAL GENERAL EDUCATION

Rafel Carreras ® 75811

SCIENCE POUR TOUS
par Rafel Carreras

Jeudi 15 mai
de 13h.00 à 13h30 - Amphithéâtre

Version condensée de la soirée
"Les Sciences aujourd'hui"
du mardi 6 mai

**ACADEMIC TRAINING
ENSEIGNEMENT ACADEMIC**

F. Benz Secretariat 73127

12,13,14,15 & 16 May

11.00 to 12.00 hrs - Auditorium

Neutrino physics

by L. DI LELLA / CERN-PPE

Neutrino physics is presently focused on the problem of neutrino masses. If at least one neutrino is massive, this would mean evidence for physics beyond the Standard Model. In addition, massive neutrinos could contribute significantly to dark matter.

Direct measurements of neutrino masses are practically hopeless (perhaps with the exception of the electron-neutrino) and the most promising way to obtain evidence for non-zero masses is to search for neutrino oscillations. These lectures review the theory of neutrino oscillations, the existing experimental hints for their occurrence and the present and future experiments on this subject.

**ENSEIGNEMENT TECHNIQUE
TECHNICAL TRAINING**

Monique Duval © 74460
monique.duval@cern.ch

Beryllium Seminar

**Thursday 22 May 22, from 9 a.m. to 5 p.m.
Auditorium LHC, bldg 30 - 7th floor**

This one day seminar will cover major aspects of Beryllium from extraction to manufacturing and handling. Speakers from Brush-Wellman (U.K. and USA) will deal with the following topics:

- History, mining and extraction
- Basic Metallurgy and Properties, Mill Products
- Environmental, Health and Safety Aspects
- Manufacturing and Applications.

The detailed programme will be published next week. Specialists from Brush-Wellman may be available for discussing particular problems on Wednesday 21.5. and possibly Friday (23.5.) morning.

The attendance of this seminar is free of charge.

For further information please contact:

Jurgen Knott / PE, phone 75141
(jurgen.knott@cern.ch)

Charles Nuttall/TIS, phone 75856
(charles.nuttall@cern.ch)

Raymond Veness/LHC, phone 73009
(raymond.veness@cern.ch)

**INFORMATIONS
GENERALES
GENERAL INFORMATION**

**PUBLICATION DU BULLETIN HEBDOMADAIRE
POUR L'ASCENSION**

Cette année, l'édition du Bulletin hebdomadaire de la semaine du 5 mai couvrira la semaine de TAscension et la suivante, c'est-à-dire du lundi 5 au vendredi 16 mai.

Cette double édition (no **19-20/97**) sera préparée comme d'habitude et distribuée le vendredi 2 mai.

Les annonces pour la publication de cette double édition devront parvenir à la Section Publications & Média, ou à l'Association du Personnel selon le cas, **avant le lundi 28 avril à midi en raison du 1^{er} mai, jour férié.**

Il n'y aura donc pas de Bulletin distribué le vendredi 9 mai.

L'édition suivante (no 21/97) paraîtra le vendredi 16 mai. Les annonces de ce Bulletin doivent nous parvenir **au plus tard le mardi 13 mai à midi.**

Merci de votre coopération.

Section Publications & Média / AS
Tél. 73475

**PUBLICATION OF THE WEEKLY BULLETIN
OVER ASCENSION**

The Weekly Bulletin for the week commencing 5 May will cover the week of Ascension and the week that follows, i.e. Monday 5 to Friday 16 May.

This double edition (No. **19-20/97**) will be prepared in the normal way and distributed on Friday 2 May.

Items for publication in this edition should reach the Publications & Media Section or the Staff Association, as appropriate, **before midday on Monday 28 April because the 1st May is a holiday.**

There will therefore be no distribution on Friday 9 May.

The following edition (No. 21/97) will appear on Friday 16 May. Items for this issue must reach us by **midday on Tuesday 13 May at the latest.**

Thank you for your cooperation.

Publications & Media Section / AS
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