

PROJET DE GUIDE – FACTEURS D'ÉVALUATION DES FONCTIONS

Comme indiqué dans le compte rendu de la réunion du Comité de concertation permanent du 3 mars 1999, le Comité a approuvé le projet de guide susmentionné concernant les filières de carrière II à VII pour une période d'essai d'au moins une année.

Il a été demandé à la Division du personnel d'examiner les possibilités d'application de ce guide au cours de cette période dans la perspective d'une éventuelle mise en oeuvre par la suite (établissement des avis de vacance d'emploi pour le recrutement, évaluations pour les changements de filière de carrière, comparaisons pour les enquêtes sur les traitements) et de faire rapport au Comité de concertation permanent après environ une année.

Des exemplaires de ce projet de guide peuvent être obtenus sur demande, en version française uniquement, dans les secrétariats de division.

Division du personnel
Tél. 74480

DRAFT CAREER PATH DESCRIPTIONS AND EVALUATION GUIDE

As indicated in the summary of the Standing Concertation Committee meeting of 3 March 1999, the Committee has approved the above draft guide concerning Career Paths II to VII on a test basis for at least one year.

During this period, Personnel Division has been asked to monitor the applicability of this guide for possible future implementation (establishment of vacancies for recruitment, change of career path evaluations, salary survey comparisons) and to report back to the Standing Concertation Committee after approximately one year.

Copies of the draft guide are available on request in divisional secretariats.

Personnel Division
Tel. 74480

SEMINARS SEMINAIRES

Monday 12 April

CERN EP SEMINAR

at 16.30 hrs – Auditorium, bldg 500*

The structure of the photon with the OPAL detector

by Mathieu DOUCET / CERN-EP

The investigation of the structure of the photon represents a fundamental test of the predictions of QED and QCD. The classical method used to probe the structure of the photon is to measure functions in deep-inelastic electron-photon scattering. The OPAL experiment has performed a number of measurements of these structure functions. After a short introduction to the subject, the results of structure function measurements of the quasi-real photon for both the hadronic and leptonic deep-inelastic processes will be presented. The latest results concerning the QED structure of the photon for quasi-real and highly virtual photons will be discussed.

Organiser : Fabiola Gianotti / EP Division

** Tea & coffee will be served at 16.00 hrs.*

Tuesday 13 April

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium, bldg 500*

Searching for the dark side of the Universe

by Rita BERNABEI / Univ. Roma II & INFN

Experimental evidence and theoretical considerations support the idea that most of the Universe is in the form of dark matter and – in large part – in the form of weakly interacting massive particles (WIMPs). A large experimental activity is in progress on this topic. In particular, the

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For information on these seminars, please see

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

two independent efforts of the DAMA and UK collaborations have already proved that scintillators are well suited for a successful search. Further experimental improvements are possible for this kind of target detector. This talk will be mainly devoted to the results achieved by the DAMA collaboration at Gran Sasso, investigating the WIMP annual modulation signature in a detector of about 100 kg low-radioactivity NaI(Tl). The presence of a modulation with the proper features and in the energy region of interest for the direct detection of dark matter particles has been found in two years of data taking, suggesting the possible presence of a relic candidate. A suitable analysis allows us to estimate the mass and the WIMP-proton cross-section. Investigation of possible systematic sources with yearly modulations has not offered up to now an alternative explanation. This effect is being further investigated by the continuous running of the experiment.

Organiser : Jasper KIRKBY / EP Division

** Tea & coffee will be served at 16.00 hrs.*

Thursday 15 April

CERN HEAVY ION FORUM

at 14.00 hrs – Conference Room 160/1-009

Selected Topics in p-p, p-A and A-A interactions (1)

by Hans Gerhard FISCHER / CERN

Some phenomena common to all types of hadronic collisions are discussed from a resolutely experimentalist point of view. After an introduction concerning choice of variables and some experimental techniques the first lecture will deal with transverse momentum behaviour of identified secondaries regarded over a large fraction of phase

space. A more detailed study of elementary p-p interactions will be included.

Second lecture follows on 3 May.

Organisers: Yiota Foka and Ulrich Heinz
<http://home.cern.ch/a/alicedoc/www/chic/>

Monday 19 April

DETECTOR SEMINAR

at 11.00 hrs – Conference room, bldg 13/2-005

Assembly, Alignment and Magnetic Measurements of KLOE at DAFNE

by S. DELL'AGNELLO / INFN-LNF, Research Division

KLOE studies Kaon physics at DAFNE, the Frascati PHI factory. KLOE is a solenoidal general purpose experiment with the complexity of LEP detectors, although with a smaller number of sub-elements. This seminar will focus on novel ideas and technical solutions successfully adopted in the mechanical construction of the very large drift chamber, in the survey/alignment work performed for the experiment assembly (including its installation in DAFNE) and in the magnetic measurements. These comprise the field mapping, extended to the poles (photomultiplier region), and the direct measurement of the position of the KLOE solenoid magnetic axis, critical for the performance of DAFNE

Organiser: Rui Ribeiro /EP Division
<http://www.cern.ch/CERN/Divisions/EP/Seminars/Welcome.html>

Tuesday 20 April

IT INFORMATICS TUTORIAL

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

The Java Series: I/O, Object Serialization and Persistence

by Raul RAMOS POLLAN / CERN-IT

The tutorial will describe the building blocks behind the processes of getting information into your program and sending it out again through the use of the stream classes in the standard java.io package. Streams are a useful way to handle information flowing in and out of your program in an homogeneous way (to read/write the file system, memory locations, through network connections, etc.). They also provide the basis to implement lightweight object persistence: objects can be easily sent and received through streams, with which we can store and retrieve objects from files, from the network, etc. The tutorial will focus on the main mechanisms behind the usage of stream, with significative examples of each aspect. It is a must for those wanting to follow the next tutorial of the Java Series on Network Programming.

Information: <http://wwwinfo.cern.ch/support/training>
Organisers: M.Marquina and R.Ramos /IT-User Support

Wednesday 21 April

CERN HEAVY ION FORUM

at 10.00 hrs – Conference Room 13/2-005

Elliptic flow at the CERN-SPS and kinetic freeze-out at AGS

by Josef SOLLFRANK / University of Regensburg

The talk will have two distinct parts. In the first part I will

present results on our hydrodynamical studies of elliptic flow in Pb+Pb 158 AGeV collisions. We study the time evolution of the azimuthal asymmetry and compare the final state with measurements of the second Fourier coefficient by NA49. In addition we study the transverse momentum spectra as function of the impact parameter and compare with WA98 and CERES results.

In the second part I will show results on our analysis of single particle spectra in Au+Au collisions at the AGS.

We tested different parametrizations of the freeze-out hypersurface and got always a relative low freeze-out temperature of about 90 MeV contrary to other analyses.

Organizers: Yiota Foka and Ulrich Heinz
<http://home.cern.ch/a/alicedoc/www/chic/>

Thursday 22 April

LHC PROJECT SEMINAR

at 14.15 hrs – SL Auditorium*, bldg 864, Prévessin

Doses and dose rates at Point 2 due to ALICE and LHC operation

by Stefan ROESLER / CERN-EST

Thursday 22 April

CERN COLLOQUIUM

at 16.30 hrs – Auditorium, bldg 500*

Superconducting RF cavities : Film or Bulk

by Pierre DARRIULAT / CERN-EP

The successful operation of LEP2 has demonstrated the feasibility of using on a large scale copper accelerating cavities coated with a thin superconducting niobium film. Yet other existing or planned installations, such as CEBAF and TESLA, rely instead on the bulk niobium technology. The reason is a wide spread belief that the film technology would suffer from fundamental limitations preventing high gradients to be reached. Evidence will be presented that such a belief is unjustified and that the film technology allows for as good a performance as the bulk technology. Moreover it has many additional advantages. The emphasis will be on illustrating the various physics mechanisms contributing to the generation of RF losses in superconducting cavities. These include the effects of trapped magnetic flux, of hydride precipitates, of noble gas inclusions, of surface oxidation and of the nature of the substrate.

Organiser : Luigi Di Lella / EP Division
* Tea & coffee will be served at 16.00 hrs.

POUR INFORMATION / FOR INFORMATION THEORETICAL PHYSICS DIVISION

In the week of April 12 to 16 , there will be the following subgroup meetings of the workshop "Standard Model Physics at the LHC":

April 12: QCD
April 13: Top physics
April 14: EWK physics
April 15: B production
April 16: B decays

Further details can be found at

<http://home.cern.ch/~mlm/lhc99/lhcworkshop.html>