

SEMINARS SEMINAIRES

MONDAY 20 JULY

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
(Top floor of Building 30)

"Some Implications for LEP of the Beam-
Beam Interaction"

by R. Talman / CERN-Cornell

EP SEMINAR

at 17.00 hrs - Auditorium

"Hadron-Nucleus Interactions at High
Energies"

by K. Braune / MPI, Heidelberg

Abstract : In an experiment at the CERN SPS we measured particle production from nuclei for incoming π^- , K and p at momenta between 50 and 150 GeV/c. The detector, consisting of scintillation and lucite Čerenkov counters, distinguishes between fast particles (mainly produced pions) and slow particles (mainly recoil nucleons), with a cut at velocity $\beta \sim 0.7$. Angular and multiplicity distributions of fast and slow particles were analysed. The number of slow particles is a measure of the number of collisions of the projectile in the nucleus.

TUESDAY 21 JULY

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *)

"Hard Scattering of Hadrons"
(Rapporteur Talk given at the EPS
Conference, Lisbon)

by H.G. Fischer / CERN

Abstract : The experimental situation in hard hadronic interactions will be discussed and confronted with our hopes to learn from it about constituent scattering and quark, diquark and gluon fragmentation mechanisms. Emphasis will be on recent 'jet' trigger experiments and new results from single particles at large transverse momentum.

*) Note : Those attending this seminar are cordially invited to the Salle des Pas Perdus (just outside the Council Chamber) at 16.00 hrs to meet the speaker and for informal discussions. Tea and coffee will be provided.

WEDNESDAY 22 JULY

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

"Metric From Matter"

by D. Amati / CERN

Abstract : A general relativistic invariant theory with only fermions (no metric) is proposed. For energies $E \ll \Lambda$ (Λ being a spontaneously generated scale to be identified with the Planck mass), the theory produces a metric and in terms of it an Einstein phenomenological action with a vanishing cosmological term and a relation between the electric and gravitational couplings. For $E \sim \Lambda$, the theory departs from usual gravitation allowing the hope for better ultra-violet behaviour.

TRAINING AND EDUCATION ENSEIGNEMENT

JEUDI 23 JUILLET

ENSEIGNEMENT GENERAL

13h/13h30 - Amphithéâtre

"Science pour Tous"

par R. Carreras

SUMMER STUDENT LECTURES

<u>Date</u>	<u>Time</u>	<u>Title</u>
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This week :

20.7 - 8.30

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10.00

F. Bourgeois - "Electronic detectors and nuclear instrumentation" (4)

11.15

V.F. Weisskopf - "Particles and symmetries" (1)

21.7 - 8.30

F. Bourgeois - "Electronic detectors and nuclear instrumentation" (5)

10.00

J. Petersen - "Electronic detectors and nuclear instrumentation" (6)

11.15

V.F. Weisskopf - "Particles and symmetries" (2)

22.7 -	8.30	J. Petersen - "Electronic detectors and nuclear instrumentation" (7)
	10.00	D. Jacobs - "Electronic detectors and nuclear instrumentation" (8)
	11.15	V.F. Weisskopf - "Particles and symmetries" (3)
23.7 -	8.30	D. Jacobs - "Electronic detectors and nuclear instrumentation" (9)
	10.00	B. Zacharov - "Computer systems hardware" (1)
	11.15	V.F. Weisskopf - "Particles and symmetries" (4)
24.7 -	8.30	Hilke/Bourgeois/Petersen/Jacobs/Rimmer - "Electronic detectors and nuclear instrumentation (10) <u>Demonstration</u> "
	10.00	B. Zacharov - "Computer systems hardware" (2)
	11.15	-
<i>Next week :</i>		
27.7 -	8.30	-
	10.00	E. Michaelis - "Introduction to particle accelerators" (1)
	11.15	V.F. Weisskopf - "Particles and symmetries" (5)
28.7 -	8.30	F. James - "Monte Carlo" (1)
	10.00	E. Michaelis - "Introduction to particle accelerators" (2)
	11.15	V.F. Weisskopf - "Particles and symmetries" (6)
29.7 -	8.30	F. James - "Monte Carlo" (2)
	10.00	E. Michaelis - "Introduction to particle accelerators" (3)
	11.15	V.F. Weisskopf - "Particles and symmetries" (7)
30.7 -	8.30	S. Reucroft - "High energy physics in practice : EHS"
	10.00	E. Michaelis - "Introduction to particle accelerators" (4)
	11.15	V.F. Weisskopf - "Particles and symmetries" (8)
31.7	8.30	-
	10.00	-
	11.15	-

All the lectures are held in the Auditorium and given in English.

Fellows and Associates Service/
Tel. 4471

ENSEIGNEMENT TECHNIQUE

La brochure "Enseignement Technique - Programme 1981-1982" est actuellement disponible. Vous pouvez en obtenir un exemplaire soit en retournant la carte de commande qui a été distribuée à tous les membres du personnel, soit en remplissant et renvoyant le coupon ci-dessous.

Cette brochure contient la description détaillée des cours organisés à l'intention du personnel.

Le programme comporte cette année les cours suivants :

MATHEMATIQUES - PHYSIQUE

Ateliers de mathématiques
Calcul de structures par la méthode des éléments finis
Physique des particules
Séminaires d'énergie
Haute-fréquence
Effets biologiques des radiations/
Biological effects of radiations

INFORMATIQUE

Initiation à l'informatique
Introduction to computing techniques
Techniques de programmation de mini-ordinateurs
Microprocesseurs : fonctionnement et utilisation
PASCAL
SCRIPT
WYLBUR avancé / *Advanced WYLBUR*

ELECTRONIQUE

Laboratoires d'études électroniques
Circuits et systèmes logiques
Systèmes analogiques
Programmable logic systems

MECANIQUE ET MECANICIENS

Analyse et méthodes de construction mécanique
Electromécanique I
Electromécanique II
Initiation aux techniques du vide
Technique du vide

ADMINISTRATION ET GESTION

Techniques d'organisation et de statistiques
Informatique administrative : Introduction à INFOL
Informatique administrative : Introduction à WYLBUR

DELAI D'INSCRIPTION 4 SEPTEMBRE 1981

La brochure peut être également consultée dans les Secrétariats de Division.



A : Secrétariat de l'Enseignement Technique

Veillez m'envoyer une brochure "Enseignement Technique - Programme 1981/1982"

Nom et prénom : _____

Division : _____

VACANT POSTS LIST ON 13th JULY 1981

<u>Post No</u>	<u>Vacancy No</u>	<u>Title</u>	<u>Grade</u>
EP-DI-058 *	80-82	Physicist	9
EP-ELI-243	81-27	Technician (Electronics)	7

DD-DI-SE-074	81-26	Administrative Clerk	6
DD-OC-CS-088 *	81-25	Electro-Mechanic	4 B+

PS-DI-023 *	81-22	Technician (Electronics)	6
PS-DI-442 *	81-28	Technician (Electronics)	6

SPS-EPO-WA-002 *	81-24	Technician (Experimental Areas Operation)	6

SB-AC-ST-034	80-105	Mechanic	5/6
SB-EE-CF-222 *	81-11	Technician (Heating & Ventilation)	5 B+
SB-EE-EL-286 *	81-17	Technician (Electrical)	5 B+

HS-DI-SC-125 *	80-34	Safety Engineer - Assistant Head of Emergency & Site Security Services	8

B+ = Future Board

NOTE : Applications for these vacancies are invited from staff members only, except where a post is marked with an asterisk indicating that external recruitment has been authorized.

For staff members who wish to apply for an internal job, but who hesitate because they do not have the qualifications required, adequate training could be envisaged. They are therefore encouraged to make their interest known.

Vacancies of other Organizations and Institutes are displayed on the notice-boards in the Administration Building and outside the Reception Office, Personnel Division.

Plats du jour des restaurants

SEMAINE DU 20 JUILLET AU 24 JUILLET 1981

<i>Midi/Lunch Time</i>	No. 1 <i>Bâtiment Administratif</i> <i>Administration Building</i> <i>Meyrin (CH)</i>	No. 2 <i>Bâtiment 504</i> <i>Building 504</i> <i>Meyrin (CH)</i>	No.3 <i>Bâtiment 866</i> <i>Building 866</i> <i>Prévessin (F)</i>
<i>Prix</i>	<i>I</i> 4.80 <i>r.s.</i> <i>II</i> 5.50 <i>Fr.s.</i>	<i>I</i> 5.-- <i>r.s.</i> <i>II</i> 5.75 <i>Fr.s.</i>	<i>F.F.</i> 13.--
LUNDI/ MONDAY	<i>I</i> Rizotto aux Petites Saucisses Salade Verte <i>II</i> Veau Froid Sauce au Thym Salade Panachée	<i>I</i> Omelette aux Fines Herbes <i>II</i> Steak sur le Grill Pommes Frites Légumes	Steack Haché Sauce Poivre Pommes Dorées Petits Pois
MARDI/ TUESDAY	<i>I</i> Assiette Provencale Salade Verte <i>II</i> Fish and Chips Tomates Grillées	<i>I</i> Schubling Garni <i>II</i> Lapin au Vin Blanc Cornettes au Beurre Légumes	Rôti de Porc Gratin Dauphinois Haricots Verts
MERCREDI/ WEDNESDAY	<i>I</i> Jambon Blanc Salade Russe Salade de Tomates <i>II</i> Steak Poêlé Bercy Pommes Mousseline Salade Verte	<i>I</i> Croquettes de Poisson Sauce Tartare <i>II</i> Les Deux Atriaux Vaudois Pommes Frites Légumes	Lapin à la Moutarde Spaghetti Légumes de Saison
JEUDI/ THURSDAY	<i>I</i> Gâteau au Fromage Pommes en Dés Salade Verte <i>II</i> Nasi-Goreng Salade Verte	<i>I</i> Tripes Milanaise <i>II</i> Quiche Lorraine Salade Verte	Rôti de Dinde Pommes Purée Légumes de Saison
 VENDREDI/ FRIDAY	<i>I</i> Schubling de Zurich Pommes Allumettes Salade Verte <i>II</i> La Marée du Jour Garnie	<i>I</i> Canneloni au Parmesan <i>II</i> Darne de Julienne Pommes Natures Légumes	Filet de Poisson Meunière Pommes Natures Légumes de Saison

*Heures
d'ouverture*

Restaurant No.1

Lundi au Vendredi :
06h à 02h30

Samedi et Dimanche :

1. Cafétaria : 08h à 20h

2. Restaurant : 11h30 à 14h

18h00 à 19h30

Restaurant No.2

Lundi au Vendredi :
06h à 20h30

Samedi :

08h00 à 14h00

Restaurant No.3

Lundi au Vendredi :
07h00 à 20h00