

ACADEMIC TRAINING
Tel. 2844-3364

3, 4, 5 & 6 November

11.00 hrs to 12.00 hrs – Auditorium

Biophysics of human energetics

by P. CERRETELLI / Département de
Physiologie, CMU, Genève
& P.E. DI PRAMPERO / University
of Udine

INFORMATIONS
GENERALES
GENERAL INFORMATION

REINTEGRATION – Sécurité sociale française

La prochaine permanence de la Sécurité sociale
française aura lieu le

jeudi 5 novembre 1987 de 13h30 à 15h30
salle de conf. no 2, Division PE, Bât. 5, 1er étage

Les personnes intéressées sont priées de prendre
rendez-vous en téléphonant au Secrétariat de la Section
des Affaires sociales (tél. 4201).

Section des Affaires sociales
Division du Personnel

PROCHAIN CONCERT

Vendredi 13 novembre 1987 à 20 h

Grand Auditorium du CERN

Récital

Benedetta Simonati: piano

Programme:

L.v. Beethoven Sonate en *do* majeur N° 3, op. 2
F. Chopin Impromptu N° 2, op. 36
Polonaise en *fa* dièse mineur, op. 44
F. Liszt Grand concert fantaisie sur La Sonnambula
(Bellini)
Jeux d'Eaux à la Villa d'Este
Rhapsodie hongroise N° 12

Concert abonnement

Billets: Fr. 14.- en vente uniquement le soir du concert dès 19h en fonc-
tion des places disponibles

*N.B. Le nombre de places dans l'Auditorium étant limité, les abonnés
susceptibles de ne pas venir à ce concert sont priés de le faire savoir,
afin que d'autres personnes puissent bénéficier de leur place, en
téléphonant à G. Adam/SPS, tél. 4813, recherche 13-4006. Merci.*

9, 10, 11 & 12 November

11.00 hrs to 12.00 hrs – Auditorium

**Possible experimental manifestations of
supersymmetry and superstrings**

by J.R. ELLIS / CERN-TH

*The motivations for supersymmetric theories will be
reviewed and their possible experimental probes at
accelerators and in non-accelerator experiments will be
discussed. An elementary introduction to superstring
theory will be given, and different approaches to its
phenomenology will be reviewed. The prospects for
experimental manifestations of superstrings will be
mentioned.*

FINAL NOTICE

Computer Centre Access Control

Initially triggered by the top management of CERN
for security purposes only, physical access control to the
computer centre building has since become even more of a
necessity with the arrival of the Cray super-computer
system in building 513.

Installation of a badge-controlled access into the
main computer centre hall and the 'BARN' of building
513 is now complete. Other areas of the two DD
buildings (some corridors in 513 and the main entrance
to 31) will be equipped with access control mechanisms
for nights and week-ends only.

Access to the tape vault (basement of the computer
centre building), the main reception area (paper output
racks, self-user printers, etc.), the Computer Science
Library and public terminal clusters will remain
UNRESTRICTED 24 hours/day, 7 days/week for tape
activities and user enquiries.

Access to the main computer hall will be granted to
a very limited number of people.

As far as the 'BARN' is concerned, access will be
granted only to those people directly concerned with
equipment in this area.

The system installed in DD uses the new standard
'high coercivity' magnetic access cards that are now
available CERN-wide for LEP and some SPS and PS
access control systems. The CERN cards are encoded on
track one and we encode the same card afterwards on
track three.

**The system will be put into operation this coming
Monday 2 November. Starting with the computer hall
early in the week, the 'BARN' and then the other access-
controlled areas will be progressively put into operation
throughout the week. The whole exercise should be
complete by 6 November.**

IMPORTANT REMINDER

*For those concerned (CERN staff members, outside
contractors needing to access those areas) who have not
yet done so, the standard CERN access card can be
obtained in building 33 (D. Chery, tel. 6622). They
should then contact J.-C. Bourigault (tel. 3106) or
K. Pluntke (13-5559) as a matter of urgency for proper
validation of their card for these two buildings. As*

previously announced in Weekly Bulletins 43/87 and 44/87, the validation procedure has been in place since 19 October. Please hurry.

Jean-Claude Juvet
Head of Computer Operations / DD

Communication au personnel

REDUCTION DE LA FOURNITURE D'ELECTRICITE PENDANT LES 'PERIODES CRITIQUES' DE L'HIVER 1987-1988

Comme les années passées, le CERN a conclu avec l'EDF (Electricité de France) un contrat par lequel le CERN accepte de réduire sa puissance à la demande de l'EDF pendant les périodes 'critiques' d'exploitation du réseau, en échange de conditions avantageuses de tarification.

La période contractuelle d'obligation de délestage commence le 1er novembre 1987 et se termine le 31 mars 1988. Pendant ces cinq mois, le CERN devra réduire sa puissance prise au réseau EDF de 100 MW à 18 MW pendant **22 périodes de 18 heures**, commençant à 7.00 h et se terminant à 01.00 h le lendemain, sur simple préavis de l'EDF (auprès de la salle de contrôle ST) donné à 17.00 h pour le lendemain. Ce préavis pourrait être de 2 heures le lendemain des week-ends et jours fériés, et nul si les conditions d'exploitation l'exigent.

Pendant ces périodes, l'accélérateur du SPS sera mis en veille, ainsi que les spectromètres des zones expérimentales Nord, Ouest, proton-antiproton, LPI et zones de tests LEP au bâtiment P. Cela se fera, soit automatiquement à partir d'informations transmises par l'ordinateur de comptage EDF, soit par les opérateurs des salles de contrôle MCR, CRN, CRW et ST. Les opérations de délestage débuteront à 06.45 h et se termineront le lendemain matin à 01.00 h.

Pour avertir le personnel et les utilisateurs du SPS de ce délestage survenu pendant la nuit, les Pompiers disposeront à l'entrée du SPS, aux entrées des zones proton-antiproton 4 et 5, sur la route Gregory (hauteur château d'eau) et sur la route Arago (hauteur bât. 296) des panneaux avertisseurs clignotants avec la mention :

CRITICAL PERIOD
Reduce Power Consumption

Un message analogue sera affiché sur les écrans vidéo.

Dans l'intérêt de tous, chacun devra s'abstenir d'effectuer des essais ou des travaux demandant une forte puissance pendant ces périodes critiques, car l'énergie y est 5 fois plus chère que les autres jours d'hiver (20 fois plus chère qu'en été). D'autre part, toute tendance au dépassement des 18 MW souscrits entraînerait un délestage vigoureux au niveau du poste d'arrivée, qui compromettrait le redémarrage de l'accélérateur.

Paul Chevret
Division ST/EL

WORKSHOP ON POLARIZATION IN LEP

A Workshop on polarization in LEP will be held at CERN on 9, 10 and 11 November 1987. It will include discussions of the physics interest, experimental aspects and accelerator problems of longitudinally polarized beams.

Anyone interested in participating should contact one of the members of the Organizing Committee :

J. Ellis / TH / 4142 A. Blondel / EP / 5827
J. Jowett / LEP / 6643

A message to Staff

REDUCTION IN ELECTRICITY SUPPLIES DURING 'CRITICAL PERIODS' IN WINTER 1987-1988

As during the last years, CERN has again signed a trial contract with EDF (Electricité de France), by which it undertakes, in return for special prices, to reduce its electricity consumption at the request of EDF when the grid system is undergoing a peak demand.

The contractual period for compulsory load-shedding begins on 1 November 1987 and ends on 31 March 1988. Over these five months, CERN will have to reduce the power it takes from the EDF network from 100 MW to 18 MW during **twenty-two 18-hour periods**, each beginning at 07.00 hrs and ending at 01.00 hrs on the following day. Notice will be given by EDF to the ST control room at 17.00 hrs on the previous day. The period of notice may be two hours on days following weekends and public holidays, or zero hours for technical reasons.

During these periods, the SPS accelerator will be put on stand-by, as well the spectrometers in the North, West proton-antiproton experimental areas, LPI and LEP test areas at bldg P. This will be carried out either automatically, on the basis of data transmitted by the EDF metering computer, or by the operators in the MCR, CRN, CRW and ST control rooms. The load-shedding will begin at 06.45 hrs and will end at 01.00 hrs on the following day.

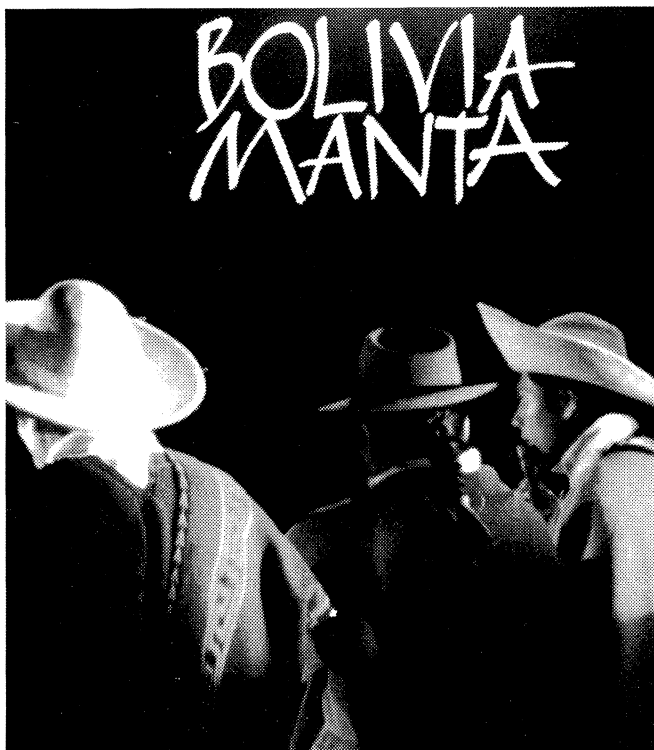
In order to inform the SPS Staff and Users that load-shedding has taken place during the night, the security staff will place flashing signs at the entrance of the SPS and at the entrances to proton-antiproton areas 4 and 5, Gregory Road (by the water tower) and Arago Road (by bldg 296) with the following warning :

CRITICAL PERIOD
Reduce Power Consumption

A similar message will be displayed on the video screens.

In the interest of all concerned, staff should refrain from carrying out tests or work requiring a heavy current, because the electricity on these days will cost 5 times as much as it does on any other winter day (and 20 times more than it does in summer). Moreover, any trend toward exceeding the 18 MW limit would cause a sudden load-shedding at the input station, which could jeopardize the start-up of the accelerator.

Paul Chevret
ST/EL Division



PROCHAIN CONCERT

Vendredi 6 novembre 1987 à 20.00 h

Grand Auditorium du CERN

BOLIVIA MANTA

Musique traditionnelle des Andes

Organisation :

Association Racines Culturelles (ARC), CH - 1241 Puplinge, en collaboration avec les Concerts Publics du CERN.

Billets : FS 14.- en vente au kiosque du bâtiment principal.

BOLIVIA MANTA

Renouer avec une tradition musicale toujours vivante, l'approcher, la découvrir et la défendre : telle est la raison d'être de BOLIVIA MANTA. Au Pérou, en Equateur et en Bolivie, deux mondes foncièrement différents coexistent et s'affrontent : celui de la ville, né de la colonisation et celui de la campagne où vit la majorité de la population indienne. BOLIVIA MANTA, c'est un retour aux sources de cette culture qui appartient en propre aux Indiens quechuas et aymaras des hauts plateaux andins. Soumis depuis des siècles, exclus du « monde de la culture » comme ils sont exclus de la vie économique et politique, ces hommes ont vu mutiler leur monde par tous ceux qui sont venus imposer leur langue, leur pensée et leur dieu. Mais ils ont continué à jouer ensemble, au cours des fêtes et des cérémonies collectives qui rythmaient toujours leur vie. Et leur musique s'est perpétuée, riche de toutes les influences qui venaient s'y fondre. BOLIVIA MANTA témoigne de cette résistance.

***B**olivia Manta is a living link with living musical traditions: it approaches, discovers and defends them. In Peru, Ecuador and Bolivia, two completely different worlds coexist in constant confrontation: the city, which is the fruit of colonization, and the countryside, which is where the majority of Indian populations live. The musicians of Bolivia Manta are anchored in the sources of their culture: the Quechuan and Aymaran Indians of the high plains of the Andes. Oppressed for centuries, excluded from the so-called "world of culture", just as they have been left out of political and economic development, these men have been subjected to the progressive mutilation of their world by those who have come to impose their language, their way of thinking and their religion. And yet nothing has ever stopped them from coming together to play their music, ever-present in the frequent celebrations and ceremonies marking their existence. And human interaction has made this music richer day by day. Bolivia Manta bears witness to this permanent resistance.*

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE CERN EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH			VACANT POSTS Internal and external recruitment		Date 2.11.87
Post number	Vacancy notice		Job title	Grade	Selection board
	No.	Date			
DD-OC-192	87-39	09.06.87	Engineer, Physicist or Mathematician (Programming)	8	B
DD-CS-199	87-43	29.06.87	Engineer, Physicist or Mathematician (Programming)	8	
DD-SW-CU-200	87-53	22.07.87	Engineer, Physicist or Mathematician (Programming)	8	
DD-US-GR-126	87-38	09.06.87	Engineer, Physicist or Mathematician (Programming)	8	B
DD-ADP-183	87-18	31.03.87	Systems Analyst	8	B
DD-CO-CO-024 120/206	87-63	09.10.87	Technician (Computer Operation)	6	
EF-DI-832/833*	87-55	27.07.87	Engineer(Mechanics) LAA	8	
EF-DI-834/835*	87-56	27.07.87	Engineer (Electronics) LAA	8	
EF-DI-836*	87-54	22.07.87	Physicist or Engineer (Programming) LAA	9	
EF-DI-837/838*	87-57	27.07.87	Technician (Electronics) LAA	6	
EF-DI-839/840*	87-58	27.07.87	Technician (Mechanics) LAA	6	
EP-RE-245	87-64	06.10.87	Physicist (Experimental)	9	
PH-SP-055	87-12	24.03.87	Physicist (Theoretical)	9	
LEP-BI-067	87-61	27.08.87	Engineer (Programming)	8	
LEP-PC-246	87-62	30.09.87	Technician (Electrical or Electronics)	5	
ST-TE-MS-135	87-60	10.08.87	Technician (Mechanics)	6	B
DG-SE-AU-31	87-34	22.05.87	Internal Auditor	8/9	
FI-A-CD-094	87-6	17.02.87	Buyer	8	
PE-PM-CO-57*	87-30	14.05.87	Personnel Officer	8	B

B = Selection board in preparation

