

FRENCH TAXATION : 1976 TAX RETURNS

1. The last date for completing tax returns is 28 FEBRUARY 1977.
2. FRENCH staff members, who have been resident in France during 1976 are required to complete tax returns. For this purpose, about 15 February, the Finance Division will be sending them one copy only of the certificate attesting their CERN salary for 1976 (to be attached to the tax return). Anyone not receiving their certificate in time should inform the SALARIES SECTION - Tel. 3904.
3. NON-FRENCH staff members resident in France, who have income from sources other than CERN, which is taxable in France (spouse's income, rents received in France, etc.) must complete a tax return, including on it their salary from CERN. THE FINANCE DIVISION SALARIES SECTION - Tel. 3904 - will provide, ON REQUEST, certificates of salary for those periods of 1976 when the above staff members were resident in France. Income from CERN is not taxable, but any income from other sources will be taxed at the rate for the total income.
4. The following tax return forms will be available FROM DIVISION SECRETARIATS for all those concerned :
 - Notice explicative (Explanatory note)
 - Déclaration des revenus de l'année (Annual tax return) (white form)
 - Annexe à la Déclaration, pour revenus encaissés hors de France (Annex to return for income received outside France) (pink form)
 - Annexe à la Déclaration, pour revenus perçus en Suisse par les frontaliers (Annex to return, for income received in Switzerland by residents of the frontier area)
 - Annexe à la Déclaration, pour revenus fonciers (Annex to return, for real estate income) (blue form).

J.F. Barthélemy - Tel.2855

STATUT ET REGLEMENT DU PERSONNEL - Fiche d'Information

La fiche d'information intitulée "LA CLASSIFICATION DES POSTES ET L'AVANCEMENT" vient de faire l'objet d'une révision. La nouvelle version est maintenant publiée et se trouve disponible au Secrétariat de chaque Division.

STAFF RULES AND REGULATIONS - Information Sheet

The Information Sheet entitled "CLASSIFICATION OF POSTS AND ADVANCEMENT" has just been revised. The new version is now published and is available at each Division Secretariat.

J.F. Barthélemy - Tel. 2855

SEMINARS SEMINAIRES

MONDAY 14 FEBRUARY

EP SEMINAR

at 11.00 hrs - EF Conference Room
(Lab.13-2-005)

"A New Electromagnetic Shower Detector
with an Energy Resolution Comparable to
NA I"

by A. Drukier / L.A.L., Orsay

Abstract : A new class of particle detector - superheated superconducting colloid - is suggested to be used as an electromagnetic shower detector. It is very dense ($\rho = 10$ to 15 g/cm^3) and it has a radiation length of about 0.5 cm permitting a spatial resolution of about 1 mm. The energy resolution should be of the order $0.03/E^2$, where E is the incident particle energy in GeV. Its use in an experiment is very similar to that of liquid argon shower detectors but a considerably smaller number of channels is required : a few hundred versus a few thousand.

ESO ASTROPHYSICS SEMINAR

at 11.30 hrs - DD Conference Room
(Bldg.31 - 3rd floor)

"NGC 1510 : a Young Elliptical Galaxy ?"

by M. Disney / Herstmonceux and ESO

Abstract : This galaxy is elliptical yet has colour as blue as any irregular galaxy. Abundances are down by a factor of 10 and it exists in an extraordinary cloud of hydrogen. Is it young ?

CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - Theory Conference Room

"The Influence of Annihilation on $\bar{N}N$ Low
Energy Scattering"

by F. Myhrer

Abstract : The $\bar{N}N$ boson exchange potential applied to $\bar{N}N$ predicts many $\bar{N}N$ resonances and bound states near threshold. Using a simple model to describe annihilation, we reproduce reasonably well the low energy scattering data. What happens to the $\bar{N}N$ resonances within our annihilation model will be discussed.

TUESDAY 15 FEBRUARY

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"Some Highlights of Research at CERN in
1976"

by L. Van Hove

Abstract : The lecture will review some of the research work done at CERN in 1976. After a very brief statistical survey of the programme, a selection of results will be presented in general terms, along the lines followed in presenting the scientific status report to the CERN Council last December.

WEDNESDAY 16 FEBRUARY

PRESENTATION TECHNIQUE

de 09h00 à 12h00 et de 14h00 à 17h00
Salle de conférence EF - Bât.13-2-005

Séminaire INTEL (USA) proposé par la maison
INDUSTRADE AG (CH) sur : - famille de micropro-
cesseurs 8085 - nouveaux chips périphériques du
8080 - nouveau single board computer 80/20
permettant le multiprocessing - nouveau single
chip microcomputer system 8748 - nouveau PL/M
compiler resident dans leur MDS - systèmes
d'extension de mémoire pour minicomputer.

Langues : anglais ou français selon auditoire.

Renseignements :
M. Diraison /FI / 4585

ISR COMMITTEE

- Open Session
at 09.30 hrs - Council Chamber
- 1. Information from the Research Director-
General, L. Van Hove.
- 2. Presentation by C. Fabjan of Proposal ISRC/
P 95, A Study of Large Transverse Momentum
Phenomena, from the CERN-Copenhagen-Lund
Collaboration.
- 3. Presentation by F.C. Ern  of Proposal
ISRC/P 96, Production and Decay of Diffrac-
tively Formed Final States in the 1-5 GeV
Mass Region from the F.O.M. Group.
- Closed Session
at 13.30 hrs - 6th Floor Conference Room
(Administration Building).

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room
"Ambiguities in Phase-Shift Analysis"
by M. De Roo

*Abstract : Phase-shift analysis, the method of
obtaining the scattering amplitude from expe-
rimental data and the unitary constraints, does
not in general give a unique solution. The
present status of these ambiguities will be
reviewed, with the emphasis on the consequences
for πN and $K N$ analyses. (The talk will be
aimed at a general audience.)*

DD SEMINAR

at 16.00 hrs - DD Conference Room
(Bldg.31 - 3rd floor)
"The Conversion of SCHOONSCHIP to IBM
Machines"
by H. Strubbe

*Abstract : SCHOONSCHIP contains 25,000 CDC 6000
assembler instructions and 1,000 Fortran state-
ments. To convert it to a readable, efficient,
program for IBM 360/370 computers is far from
trivial.*

*The procedure chosen is in three
steps : - analyze the CDC code and write the
result down in a PL/I type language; - compile
that PL/I (with own compiler) to IBM macro calls;
- design a useful set of IBM-assembler macros.
Since 1 February 1977, all the CDC
code is analyzed. Half of the PL/I is already
working on the IBM at the moment.*

THURSDAY 17 FEBRUARY

CERN COLLOQUIUM

at 16.30 hrs - Auditorium
"If Nuclear Energy, which Kind ?"
by L. Kowarski

*Abstract : When we declare ourselves for or
against nuclear energy, do we mean nuclear
energy in general, or just one set of techniques?
Recent events and experiences show that exclu-
sive recourse to particular techniques entails
consequences which many consider as undesirable
and from which other nuclear technologies are
more or less free. Only by taking into consi-
deration a wider variety of nuclear techniques
can we hope to arrive at a clear and unbiased
view. Some of the current technical dilemmas
will be mentioned, e.g. light water versus other
moderators, uranium 238 versus thorium, produc-
tion of electricity only versus that of heat
and electricity together, etc.*

MONDAY 21 FEBRUARY

EP SEMINAR

at 11.00 hrs - EF Conference Room
(Lab.13-2-005)
"A Comparison of Coherent and Incoherent
Production on Nuclei"
by T. Ekel f / Univ. of Uppsala

CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - Theory Conference Room
"Baryon - Antibaryon Quasinu lei and
Near-Threshold Phenomena in pp and e^+e^-
Interactions"
by O. Dalkarov / I.T.E.P., Moscow and
CERN

TUESDAY 22 FEBRUARY

ESO ASTROPHYSICS SEMINAR

at 14.30 hrs - DD Conference Room
(Bldg.31 - 3rd floor)
"Bursting X-Ray Sources"
by W. Lewin / M.I.T.

THURSDAY 24 FEBRUARY

ESO ASTROPHYSICS SEMINAR

at 11.30 hrs - DD Conference Room
(Bldg.31 - 3rd floor)
"The Universe : Open or Closed"
by M. Lecar / Univ. of Jerusalem