

seminars

CERN COMPUTER SEMINARS

Monday, September 27
14.00
Auditorium

"The Amdahl 470 V/6"
by Gene M. Amdahl / Chairman of the Amdahl Corporation

Friday, October 1
14.00
Council Chamber

"Recent Developments in Finite Element Methods"
by Prof. O.C. Zienkiewicz / University College of Swansea, Wales

EP SEMINARS

Monday, September 27
11.00
Large Conference Room
(Lab.13 - 2.005)

"On more efficient ways to extract information from proportional chambers or how to learn from X-ray detection problems"
by G. Charpak

Monday, October 4
11.00
Large Conference Room
(Lab.13 - 2.005)

"Status of Evidence for a Magnetic Monopole"
by P.B. Price / Berkeley
Abstract : Measurements in lexan detectors and nuclear emulsions place strong constraints on the properties of the candidate. The data are inconsistent with any positively charged nucleus fragmenting or otherwise. A fast anti-nucleus or a slow massive non-nuclear particle is consistent with all the data.

CERN NUCLEAR PHYSICS SEMINARS

Monday, September 27
11.00
Theory Conference Room

"Shell effects in nuclei - especially element 126"
by R.K. Sheline / Florida State University, Tallahassee and IKP Jülich
Abstract : Spherical and deformed shell effects calculated using both the simple and modified harmonic oscillators are compared with experiment. Shell effects are shown to be maximized in the lightest and heaviest nuclei. The possibility that the nucleus of element 126 may adjust its skin thickness to maximize shell energy is considered.

Monday, October 4
16.00
Theory Conference Room

"Exchange Currents and Sum Rules"
by J.I. Fujita / Tokyo University
Abstract : The relation " $K - \delta g_e$ " will be discussed, where $\int \sigma d\omega = (TRK) (1+K)$ and δg_e is the deviation of orbital g-factor due to exchange currents in a nucleus from the free one. Recent developments related to this subject will be presented.

CERN PARTICLE PHYSICS SEMINARS

Tuesday, September 28
16.30
Auditorium

"High Mass Dilepton Production at FNAL"
by L. Lederman / University of Columbia

Thursday, October 7
16.30
Auditorium

"Experiments on Parity Violating Effects in Atoms"
by V. Telegdi / ETH-Zürich

SPS EXPERIMENTS
COMMITTEE

Tuesday, September 28
09.00
Auditorium

Open Session

1. Introductory remarks by L. Van Hove.
2. Proposal to Investigate Direct Electron Production from pp Collisions at 70 GeV in BEBC Equipped with a ν -TST (Pavia-Tel Aviv-Torino Collaboration; G. Rinaudo; SPSC/76-61/P 74).
3. Proposal to Supplement the WA 11 Apparatus by Adding an Electromagnetic Shower Detector (Imperial College-Southampton Collaboration; A. Duane; SPSC/76-65/P 75).
4. Neutron Elastic Scattering at Very Small Angles (Freiburg-Karlsruhe-ITEP/Moscow Collaboration; K. Runge; SPSC/76-74/P 76).

Wednesday, September 29
09.00
Conference Room
(6th floor - ADM Building 61)

Closed Session

SPECIAL DD SEMINAR

Tuesday, September 28 (*)

14.00
DD Amphitheatre
(Bldg.31 - 3rd floor)

(*) Please note the change of date of the third and last lecture of this series (instead of Monday, September 27).

"Some discoveries in Number Theory made by Computers"
by Prof. R. Churchhouse / University College, Cardiff
Abstract : During the past 15 years or so a number of discoveries have been made in Number Theory by means of Computers. Some of these discoveries led to theorems which have subsequently been proved (though not by computers). Some long-standing conjectures have been settled and evidence relating to others has been obtained; in addition an entirely new set of (very deep) conjectures has been put forward. A selection of topics will be covered briefly in the lectures.

CERN COLLOQUIA

Wednesday, September 29
14.00
Auditorium

"Recent Developments in the Search for Visible Chemical Lasers"
by S. Rosenwaks / Ben Gurion University, Beer Sheva
Abstract : There is a great deal of interest in developing an efficient laser in the visible wavelength region especially because of its potential in isotope separation. The success with infrared chemical lasers has led to a search for visible chemical lasers as a means of achieving this goal. Many chemical reactions result in bright chemiluminescent flames but none has produced so far visible laser action. Recent developments in the search and the prospects for visible chemical lasers will be presented.

Thursday, September 30
16.30
Auditorium

"Bose Condensation of Pions"
by A.B. Migdal / R.D. Landau Institute for Theoretical Physics, Moscow
Abstract : It is expected that pions will exhibit macroscopic Bose condensation when nuclear matter is compressed to sufficient density. The critical density should be in the neighbourhood of that typical for actual nuclei. Consequently, stable pion-condensed nuclei may exist in nature under the right conditions. The physical ideas of the condensation will be presented and discussed. Its existence would have interesting consequences in nuclear and astrophysics.

PS SEMINAR

Friday, October 1st
10.30
PS Large Conference Room

"First Experiences with the Operation of the SPS"
by B. de Raad / SPS Division

DISCUSSION TECHNIQUE sur les relais CELDUC

Mercredi 29 septembre
de 10h00 à 12h30
Salle de conférence PS
(Bât.6 - 2.004)

Les Maisons CELDUC et STOLZ A.G. seront à la disposition des
personnes ayant des problèmes techniques au sujet de ces relais.
Langue utilisée : français

Renseignements :
E. Kaufmann / PS/ Tél. 2536

TECHNICAL PRESENTATIONS

Tuesday, September 28
09.00 - 12.00
EF Conference Room
(Bldg.13 - 2nd floor - R2.005)

Laser and Electronic Equipment (CH), representing Pro-Log Corp.
(USA) while organize a presentation of Micro-Processor Application
and Programming Problems for PROMs :
PROMs and PROM-Programmer - I/O Possibilities, etc... -
I/O Possibilities, Interface - Programmer as an instrument for
Design and Development - Trends on Micro-Processor
Experience with Micro-Processor, Card-Systems - State of the Art -
Comparison of various Micro-Processors - Advantages and Disadvan-
tages using Computers at Design Stage - Discussion.
Language : English.

Du 11 au 15 octobre 1976
Hall du Bâtiment de
l'Administration - 1er étage

"LA GRANDE-BRETAGNE AU CERN"

Onze fabricants britanniques d'instrumentation, de composants et
de matériel prendront part à l'exposition de la Grande-Bretagne.
Cette exposition est organisée par la BEAMA (the British Electrical
and Allied Manufacturers' Association) au nom de la MCAC (British
Measurement, Control and Automation Conference) en une manifestation
commune avec le BOTB (British Overseas Trade Board).

Exposants : voir liste ci-dessous.

11th - 15th October 1976
Administration Building
Entrance - 1st floor

'BRITAIN AT CERN'

Eleven British electrical and electronic manufacturers will be
exhibiting a range of instrumentation, components and equipment
at the 'Britain at CERN Exhibition'. The exhibition is being organised
by the British Electrical and Allied Manufacturers' Association
(BEAMA) on behalf of the British Measurement, Control and Automa-
tion Conference (MCAC) as a joint venture with the British Overseas
Trade Board (BOTB).

Exhibitors :

AEI Semiconductors Limited	Muirhead Limited
Benney Electronics Limited	Nuclear Enterprises Limited
EMI Electronics Limited	Solatron Electronic Group Limited
GKN Sankey Limited	Westinghouse Brake & Signal Co Limited
Grenson Electronics Limited	Willsher & Quick Limited .
J. & P. Engineers (Reading) Limited	

Renseignements :
M. Diraison / FI / 4585