

First ICFA Instrumentation School / Workshop at the ICFA Instrumentation Center in Morelia

November 18-29, 2002
University of Michoacan
Morelia, Michoacan, Mexico

The school/workshop will focus on the teaching of experimental techniques for particle, nuclear, cosmic-ray, and medical physics by means of laboratory sessions, lecture courses, and review talks. It is aimed primarily at graduate students with some participation of young Post Docs and promising undergraduate students. Applications are invited from all parts of the world, especially from institutions in Mexico and from other countries in Latin America.

Laboratory Sessions

Interfaces and Data Acquisition (LabView)
Simon Kwan (FNAL), Markleigh Shaef (Madison, USA),
Antonio Vargas (BUAF, MEXICO), Sergio Weigand (BMJ, MEXICO),
Marvin Johnson (FNAL, USA)

Muon and Pion Lifetime Measurements
L. Villanar (UMSNH, MEXICO)

DHJ Chambers

A. Wollenz (Siegen, Germany)

Silicon Detectors

Patrici Gabelloni (CERN), Tamas Szucs (CERN),
Alexa Margherison (CERN), Alan Ruddy (CERN)

**PMT Arrays for Fluorescence Detector Calorimeters
and PMT Characterization**

Humberto Salazar (BUAF, MEXICO)

Multewire Proportional Chambers

Arturo Mena (UNAM, MEXICO)

Data Analysis (ROOT)

Umberto Costi (UMSNH, MEXICO)

Radiation Detectors of PIN Type for X-Rays

Rafaelo Javier Ramirez (INM, MEXICO)

Applications of Sensitive Fibers to Medical Imaging

María Elena Rodríguez (UNAM, MEXICO)

Mathematical Analysis of Bio-electrical Signals

Guadalupe Hernández (UNAM, MEXICO)

Silicon Detectors Applied to Medical Imaging

Lucy Mariani Montalbano (CINVESTAV, MEXICO)

International Advisory Committee

A.H. Walenta, University of Siegen, Germany, Chairman
M. Shaef, University of Wisconsin, Madison, USA
A. Carró, CERN, Switzerland
B. Dolgopiatov, Moscow Physical Engineering Institute, Russia
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G. Herrera Coronel, CINVESTAV, Mexico
T. Honda, KEK, Japan
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H. Okuno, KEK, Japan
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J. Va'ya, SLAC, USA
A.P. Vorobiev, IEP, Moscow, Russia
John Ellis, CERN
Arnulfo Zepeda, CINVESTAV, Mexico
Arturo Mena, UNAM, Mexico
Jürgen Engelhard, UASLP, Mexico
Humberto Salazar, BUAF, Mexico
Luís Mastrapa, CLAF, Brazil

Lecture Courses and Review Talks

Jürgen Engelhard (SLAC, Mexico), Particle Identification
Ruggero Nagai (CERN), Particle Identification II
Arnulfo Zepeda (CINVESTAV, MEXICO), Ultra High Energy Cosmic Rays
Gonzalo Herrera Coronel (CINVESTAV, MEXICO), Physics with ALICE at the Large Hadron Collider
A. Wollenz (Siegen, Germany), New Ideas in Radiation Detectors
Markleigh Shaef (Madison, USA), Heavy-Ion Physics, positronium
Patrici Gabelloni (Torino, CERN), Silicon Detectors
Colt Huber (Berkeley Lab), Tracking Detectors
Hilmar Schuler, Berkeley Lab, Signal processing, noise and electronics
Prof. M. Butler (FNL), Triggering and Data Acquisition
Kamran B. Hooper (Florida State University), Confidence Levels and Upper Limits
Richard Wigmans (Texas Tech), Calorimetry
Juan José Gómez Cadenas (CERN), Neutrino Detectors
John Ellis (CERN), to be confirmed
Analiís Cortés (CERN), to be confirmed
Rodrigo Saiz (IFIC, Mexico), Applications of Directional Magnetic Fields in Medical Physics
Aurora Aldana (Hospital Angeles del Pedregal, Mexico), Radiotherapy
Brenda Dingus (Madison, USA), Gamma-Ray Astronomy: Probing Nature's Particle Accelerators

Round Tables

There will be one or more Round Tables on "Instrumentation in Mexico, Central America and the Caribbean" with the following participants:

Jürgen Engelhard (Mexico) Luis Villanar (Mexico)
Rodrigo Montalvo (Mexico) Humberto Salazar (Mexico)
Arturo Mena (Mexico) Arnulfo Zepeda (Mexico)
Gonzalo Herrera Coronel (Mexico) Moisés Saiz (Mexico)
Markleigh Shaef (USA) Luis González Montalbano (Mexico)
Patrici Gabelloni (Italy) Arturo Fernández (Mexico)

Local Organizing Committee

Mary Cervantes, UMSNH
Umberto Costi, UMSNH
Jaime Nieto, UMSNH
Victor Villanar, UMSNH
Luis Villanar, UMSNH, Chairman
Arnulfo Zepeda, CINVESTAV

The School/Workshop is organized with the support of:

- BUAF
- CERN
- CIDEM
- CINVESTAV
- CLAF
- CLAF-Mexico
- CONACYT
- DESY
- DIPYC-SMIP
- FERRELAB/DOE
- ICFA
- IFUG
- IMN
- INF
- SMF
- UASLP
- UMSNH
- UNAM

Deadline for Applications: October 1, 2002.

Further Information

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www.ifm.umich.mx/school/

