GALILEO GALILEI FOUNDATION
WORLD FEDERATION OF SCIENTISTS
ETTORE MAJORANA CENTRE FOR SCIENTIFIC CULTURE
INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS

GALILEO GALILEI CELEBRATIONS
Four Hundred Years Since the Birth of MODERN SCIENCE

INTERNATIONAL SCHOOL OF SUBNUCLEAR PHYSICS
30th Course: FROM SUPERSTRINGS TO THE REAL SUPERWORLD
ERIC-SICILY: 14 - 22 JULY 1992

In collaboration with the World Laboratory
and under the auspices of the Presidency of the Council of Ministers of Italy

Sponsored by the:
- Academies of Sciences of Estonia, Georgia, Lithuania, Russia and the Ukraine
- Academies: Chinese Academy of Sciences
- European Physical Society - Italian Ministry of Education - Italian Ministry of University and Scientific Research
- Sicilian Regional Government - Wasmann Institute of Science

PROGRAMME AND LECTURERS

OPENING LECTURE
Where We Stand With the Real Superworld
A. Zichichi, CERN, Geneva, Switzerland

THEROY AND PHENOMENOLOGY

Electroweak Aspects of the Standard Model
J. Ellis, CERN, Geneva, Switzerland

Phenomenological Supersymmetry: the SUGY Higgs Sector
F. Zwirner, CERN, Geneva, Switzerland

Supersymmetry at the Infrared Limit of Superstrings
S. Ferrara, CERN, Geneva, Switzerland

Can Supersymmetry Be Tested at Accessible Energies?
G.G. Ross, University of Oxford, UK

QCD as Part of TOE
W.J. Stirling, University of Durham, UK

QCD Confront Experiments
G. Altarelli, CERN, Geneva, Switzerland

New Phenomena Below the Mega-TeV Range
R. Pececi, University of California, Los Angeles, USA

REVIEW LECTURES

LEP Physics
S.C.C. Ting, CERN, Geneva, CH and MIT, Cambridge, MA, USA

Results from FNAL
E. Hess, FNAL, Batavia, IL, USA

Why the Boson is Getting Bigger
J. Oksar, Cornell University, Ithaca, NY, USA

First Results from HERA
B. Wink, DESY, Hamburg, Germany

Where Is Top?
R.H. Dalitz, University of Oxford, UK

Ninجاus Mappo: Where We Are
D.O. McKeenon, CERN, Geneva, Switzerland

Mass Predictions for Composite Quark States and Other Systems
A. Martin, CERN, Geneva, Switzerland

Simulations at 10, 40 and 200 TeV
L. Ciduelli, University of Pisa, Italy

THE GlOIOUS DAYS OF PHYSICS
My Life
J.A. Wheeler, Princeton University, NJ, USA

CLOSING LECTURE
Is There Life Beyond the Standard Model?
S.L. Glashow, Harvard University, Cambridge, MA, USA

PURPOSE OF THE SCHOOL
This time the «Enrico Fermi» school plans for the 30th time. Following our tradition the choice is not to pass up the chance to understand the origin of mass and to find out where the SUSY threshold can be. In this respect we should remember that supersymmetry gives place to supersymmetric and to the non-supersymmetric world in order to achieve a shorter and more homogeneous version of this. The students will have the opportunity to use these methods in a learning environment where the SUSY concept is the most prominent one. The students will have the chance to work on a universe that is both SUSY and non-SUSY, without being too far from the SUSY world, with the possibility for the students being more in control, as in the lectures on basic and advanced topics on the field. The SUSY concept of a universe will be more in control, as in the lectures on basic and advanced topics on the field.

PORTIC TOUCH
According to legend, in the old days of Venice and its patrons, founded a small town as a part of a magnificent 1565 potentiello 276, where more than twenty thousand years ago, the great Venetian architect, will have lived. This period, called the «Enrico Fermi School of Physics», was established in the central part of the city by the organizers of the school, where the students will have the opportunity to work on a universe that is both SUSY and non-SUSY, without being too far from the SUSY world, with the possibility for the students being more in control, as in the lectures on basic and advanced topics on the field.

Other meetings of major institutions are to be found in the neighborhood, in Venice (Darmstadt, Frankfurt, Munchen, Berlin, London), so that the students will have the opportunity to work on a universe that is both SUSY and non-SUSY, without being too far from the SUSY world, with the possibility for the students being more in control, as in the lectures on basic and advanced topics on the field.

The scholarships have been established in honour of, and named after, the

PARTICIPATION
By Invitation

Scholarships
The question of whether the school is attuned to the scientific community, as the organizers of the school, are to be found in the neighborhood, in Venice (Darmstadt, Frankfurt, Munchen, Berlin, London), so that the students will have the opportunity to work on a universe that is both SUSY and non-SUSY, without being too far from the SUSY world, with the possibility for the students being more in control, as in the lectures on basic and advanced topics on the field.

PLEASE NOTE
Participations must arrive in Siena on July 14, not later than 7 p.m.

A. ZICHICHI - DIRECTOR