OPENING LECTURE
The advance of physics through lepton experiments
- S.C. Ting, MIT, Cambridge, MA, USA

THEORETICAL LECTURES
Sigma-models and superstrings
- M. Grisaru, Brandeis University, Waltham, MA, USA
Kaluza-Klein superstrings
- M. Duff, CERN, Geneva, Switzerland

Index theorem in string theory
- P. Windey, Lawrence Berkeley Lab., Berkeley, CA, USA
Weak interactions on the lattice
- G. Martinelli, CERN, Geneva, Switzerland

String-field theory
- T. Kugo, Kyoto University, Kyoto, Japan

Four-dimensional superstrings
- C. Kounnas, Lawrence Berkeley Lab., Berkeley, CA, USA

Supersymmetry aspects of superstrings
- S. Ferrara, CERN, Geneva, CH and UCLA, CA, USA

THE NEW PHYSICS IN EUROPE
- LEP
  - H. Newman, Caltech, Pasadena, CA, USA
- Gran Sasso
  - A. Pellet, MIT, Cambridge, MA, USA
- HERA
  - V. Soergel, DESY, Hamburg, FRG

ELOISATRON
- A. Zichichi, CERN, Geneva, Switzerland

THE GLORIOUS DAYS OF PHYSICS:
The role of Deutsch and Feschbach in the development of Modern Physics
- C. S. Wu, Columbia University, New York, USA
The discovery of positronium
- M. Deutsch, MIT, Cambridge, MA, USA
Fifty years of nuclear physics
- H. Feschbach, MIT, Cambridge, MA, USA

REVIEW LECTURES
Light quark spectroscopy from charmonium decay
- C. A. Heusch, Univ. of California, Santa Cruz, CA, USA

SEMINARS ON SPECIALIZED TOPICS
The astroparticle connection
- D. Nanopoulos, Univ. of Wisconsin, Madison, WI, USA

PURPOSE OF THE SCHOOL
To review the status of the most significant theoretical and experimental results in the exciting field of the new world: the Super-one.

POETIC TOUCH
According to legend, Erice, son of Venus, founded a small town on top of a mountain (750 metre above sea level) more than three thousand years ago. The great historian Thucydides (500 B.C.) said that the Elymii — founders, of Erice — were survivors of the destruction of Troy. Ancient historians agreed that Erice was the oldest city of Europe.

Homer (~1000 B.C.), Theocritus (~340 B.C.), Polybius (~200 B.C.), Virgil (~50 B.C.), Horace (~20 B.C.), and others, have celebrated this magnificent spot in Sicily in their poems. In Erice you can admire the Caste of Venus, the Cyclopean Walls (~800 B.C.) and the Gothic Cathedral (~1300 A.D.). Erice is also a centre of ancient and medieval architecture.

Other masterpieces of ancient civilization, such as Moira (Phoenician), Segesta (Elymian), and Selinunte (Greek), are found in the neighbourhood. In the Agrigenian islands — theatre of the decisive naval battle of the first Punic War (264-241 B.C.) — there are prehistoric mural engravings in Levanzo, and Palaeolithic gravures in Favignana.

Splendid beaches are at San Vito Lo Capo, Scopello, and Cornino; wild beaches around Monte Cofano. All at least one hour drive from Erice.

SPECIAL SCHOLARSHIPS
The following special scholarships have been established in honour of, and named after, the late physicists:

PATRICK M.S. BLACKETT
PAUL A.M. DIRAC
GIULIO RACAH
JAMES CHADWICK
GUUNNAR KALLEN
J. JOHN SAKURAI
AMOS DE-SHALIT
ANDRE LAGARRIGUE

These scholarships cover registration fees and full board and lodging in Erice.

Participation by invitation only

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