

INTERNATIONAL SCHOOL OF SUBNUCLEAR PHYSICS

26th Course: THE SUPER-WORLD-IIIERICE-TRAPANI-SICILY: 7 - 15 AUGUST 1988

Sponsored by the: European Physical Society
 Italian Ministry of Education
 Italian Ministry of Scientific and Technological Research
 Sicilian Regional Government
 Weizmann Institute of Science

PROGRAMME AND LECTURERS

OPENING LECTURE*Anomalies in Quantum Field Theory*

- J. SCHWINGER, UCLA, CA, USA

THEORETICAL LECTURES*Superstring Theories: a Survey*

- M. GREEN, Queen Mary College, London, UK

Supermembranes

- M.J. DUFF, Imperial College, London, UK

Macroscopic Aspects of Four-dimensional Superstrings

- S. FERRARA, CERN, Geneva, CH and UCLA, CA, USA

Superstring Phenomenology

- P.H. NILLES, CERN, Geneva, Switzerland

Supersymmetric Particles

- R. BARBIERI, University of Pisa, Italy

Fractals in Physics

- L. PIETRONERO, University of Rome, Italy

Status of CP-Violation

- M. GOURDIN, Pierre and Marie Curie University, Paris, France

REVIEW LECTURES*Heavy Ion Physics*

- N. SAMIOS, BNL, Upton, NY, USA

Gran Sasso Physics

- L. VOTANO, INFN, Frascati, Italy

New Leptons

- M. PERL, SLAC, Stanford, CA, USA

Tevatron Physics

- L. LEDERMAN, Fermi Laboratory, Batavia, IL, USA

SCL - First Data

- B. RICHTER, SLAC, Stanford, CA, USA

Physics at LEP

- S.C.C. TING, CERN, Geneva, CH and MIT, Cambridge, MA, USA

The Solar Neutrino Puzzle

- R.L. MOSSBAUER, Technical University of Munich, Garching, FRG

The LAA Project

- A. ZICHICHI, CERN, Geneva, CH

THE GLORIOUS DAYS OF PHYSICS*The Nucleus of Tomorrow*

- Sir Denys WILKINSON
 «EMCSC Gold Medal for the Best Director»

CLOSING LECTURE

- S.L. GLASHOW, Harvard University, Cambridge, MA, 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 metres above sea level) more than three thousand years ago. The great historian Thucydides (~500 B.C.) said that the Elymi - 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 (~300 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 Castle of Venus, the Cyclopean Walls (~800 B.C.) and the Gothic Cathedral (~1300 A.D.). Erice is at present a mixture of ancient and medieval architecture.

Other masterpieces of ancient civilization, such as Motya (Phoenician), Segesta (Elymian), and Selinunte (Greek), are to be found in the neighbourhood. In the Aegadian Islands - theatre of the decisive naval battle of the first Punic War (264-241 B.C.) - there are prehistoric murals in Levanzo, and paleolithic grottoes in Favignana.

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

Participation by invitation only

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	ISIDOR I. RABI
JAMES CHADWICK	GUNNAR KÄLLEN	GIULIO RACAH
AMOS DE-SHALIT	ANDRÉ LAGARRIGUE	J. JOHN SAKURAI

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

• **PLEASE NOTE** that the special scholarships as well as any other form of financial support will be awarded in consultation with the Board of Lecturers at the end of the Course, in order to allow a more direct judgement of all the applicants.

Participants must arrive in Erice on August 7, not later than 5 p.m.

A. ZICHICHI - DIRECTOR

Special Announcement

Information about the Schools and the activities of the CENTRE can be found in the official Journal of the CENTRE:



Progress in Scientific Culture

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