

INTERNATIONAL SCHOOL OF PHYSICS

«ETTORE MAJORANA»

Sponsored by : CERN - European Organization for Nuclear Research
MPI - Italian Ministry of Public Education
NATO - North Atlantic Treaty Organization

Place : Erice (Trapani) Sicily

Period : 19 June - 4 July 1966

Subject : "STRONG AND WEAK INTERACTIONS - PRESENT PROBLEMS"

PROGRAMME

I. MORNING LECTURES

1. Current Algebras and Broken Symmetry.
2. Phenomenology of Resonances and Particle Supermultiplets.
3. Regge Poles in High-Energy Scattering
(Phenomenology - General Properties - Experimental Tests - Applications).
4. Weak and Strong Interactions - Common Problems.

II. AFTERNOON DISCUSSIONS

III. SEMINARS ON EXPERIMENTAL TOPICS

LECTURERS

N. Cabibbo, CERN, Geneva, Switzerland.
S. Coleman, University of Harvard, Cambridge, U.S.A.
M. Gell-Mann, California Institute of Technology, U.S.A.
S. Glashow, University of California, Berkeley, U.S.A.
W. Jentschke, DESY, Hamburg, Fed. Rep. of Germany.

W. Paul, CERN, Geneva, Switzerland.
R. J. N. Phillips, AERE, Harwell, England.
Y. Yamaguchi, University of Tokyo, Tokyo, Japan.
B. Zumino, University of New York, N. Y., U.S.A.

PURPOSE OF THE SCHOOL

The school is devoted to those physicists who are interested in having a much deeper theoretical understanding of the field of physics in which they are working. The students will be selected from amongst applicants according to their scientific qualifications. In this selection the geographical distribution of the students will be taken into account.

In order to exploit to the fullest extent the material presented at the school, we will have only three lectures per day, all given in the morning (each lecture will last 1 hour). Two hours of the afternoon will be dedicated to clearing up in free, informal discussions the topics of the morning lectures.

POETIC TOUCH

Legend tells that Erice, son of Venus, was the founder, more than three thousand years ago, of a small town on top of a mountain (750 metres above sea level).

Homer (~1,000 B.C.), Theocritus (~300 B.C.), Polybius (~200 B.C.), Horace (~70 B.C.), Virgil (~20 B.C.), and others, have celebrated in their poems this magnificent spot in Sicily. There you can admire among other beauties the Castle of Venus and the Cyclopean Walls. Other masterpieces of ancient Greek civilization are found in the neighbourhood, such as Motya, Segesta and Selinunte. The "Grotte Marine" of the Aegadian Islands can be reached by cable-car and flying boat in about an hour.

GENERAL INFORMATION

Persons wishing to attend this course should apply to:

The Deputy Director of the School: Dr. T. MASSAM
CERN - European Organization for Nuclear Research
1211 Geneva 23
(Switzerland)

They should specify:

- i) date and place of birth
 - ii) degree and other academical qualifications
 - iii) list of publications
 - iv) present position and place of work
- and include
- v) a letter of recommendation from their research group leader or from a professor of physics.

The total fee, including full board and lodging (arranged by the school), to be paid by each student will be approximately 650 Swiss francs. Application should be made as soon as possible by letter -- no special application form is required.

Closing date for applications: 10 April 1966

A letter will be sent to the successful applicants on 18 April. Those students who, because of possible difficulties with travel documentation, would like to know before 18 April whether their application has been accepted, may obtain an earlier special decision upon submitting a justified request.

Admission to the school will be decided by a commission composed of Prof. G. Bernardini, Prof. V.F. Weisskopf, and the Director of the School.

All students must be in Erice on 19 June not later than 5 p.m. More detailed information, including the timetable of the lectures, will be sent to the successful applicants together with the acceptance letter.

A. ZICHICHI
DIRECTOR OF THE SCHOOL