



«ETTORE MAJORANA» FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE
TO PAY A PERMANENT TRIBUTE TO GALILEO GALILEI, FOUNDER OF MODERN SCIENCE
AND TO ENRICO FERMI, THE "ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES



INTERNATIONAL ACCELERATOR SCHOOL FOR LINEAR COLLIDERS

ERICE-SICILY: 1 – 10 OCTOBER 2007

Sponsored by the: • Italian Ministry of University and Research • Sicilian Regional Government
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TOPICS AND LECTURERS

Introduction

• N. WALKER, DESY, Hamburg, D

Sources & bunch compressors

• M. KURIKI, KEK, Tsukuba, Ibaraki, JP

Damping ring

• A. WOLSKI, University of Liverpool, UK

Linac

• P. TENENBAUM, SLAC, Menlo Park, CA, USA

LLRF & high power RF

• S. SIMROCK, DESY, Hamburg, D

Superconducting RF

• K. SAITO, KEK, Tsukuba, Ibaraki, JP

Beam delivery & beam-beam

• A. SERYI, SLAC, Menlo Park, CA, USA

Instrumentation & control

• M. ROSS, Fermilab, Batavia, IL, USA

Operations

• M. ROSS, Fermilab, Batavia, IL, USA

CLIC

• F. TECKER, CERN, Geneva, CH

Conventional facilities

• A. ENOMOTO, KEK, Tsukuba, Ibaraki, JP

Physics & detectors

• J. BRAU, University of Oregon, Eugene, OR, USA

PURPOSE OF THE COURSE

The School aims to educate young generations for the next major accelerator facilities in the high-energy physics field, including the International Linear Collider (ILC) and the Compact Linear Collider (CLIC). We encourage young physicists (graduate students, post doctoral fellows, junior researchers) to apply. In particular we welcome those physicists who are considering changing to a career in accelerator physics. The School will accept a maximum of 70 students from around the world. Students will receive financial aid covering the expenses for attending this School (including airfare, lodging, meals, local transportation and school supplies).

There will be no registration fee.

APPLICATIONS

Persons wishing to attend the Course should complete the online registration form (which can be found at www.linearcollider.org/school/2007/) and submit a recommendation letter from his/her supervisor (in electronic form, either PDF or MS WORD), or contact the Co-Director of the School:

- Professor Barry BARISH
c/o Ms Cynthia M. Szama
FERMILAB
P.O. Box 500, BATAVIA, IL 60510, USA
Fax +1.630.8408589
e-mail: sazama@fnal.gov

specifying:

- full name, address, age, nationality;
- academic qualification, present position and affiliation;
- specific interest in the School.

- PLEASE NOTE
Participants should arrive in Erice on October 1, not later than 5 pm.

Closing date for application is June 1, 2007

POETIC TOUCH

According to legend, Erice, son of Venus and Neptune, founded a small town on top of a mountain (750 metres above sea level) more than three thousand years ago.

The founder of modern history — i.e. the recording of events in a methodic and chronological sequence as they really happened without reference to mythical causes — the great Thucydides (~500 B.C.), writing about events connected with the conquest of Troy (1183 B.C.) said: «After the fall of Troy some Trojans on their escape from the Achaei arrived in Sicily by boat and as they settled near the border with the Sicilians all together they were named Elymi: their towns were Segesta and Erice.» This inspired Virgil to describe the arrival of the Trojan royal family in Erice and the burial of Anchise, by his son Enea, on the coast below Erice. 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. During seven centuries (XIII-XIX) the town of Erice was under the leadership of a local oligarchy, whose wisdom assured a long period of cultural development and economic prosperity which in turn gave rise to the many churches, monasteries and private palaces which you see today.

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 are to be found in the neighbourhood: at Motya (Phoenician), Segesta (Elymian), and Selinunte (Greek). On the Aegadian Islands — theatre of the decisive naval battle of the first Punic War (264-241 B.C.) — suggestive neolithic and paleolithic vestiges are still visible: the grottoes of Favignana, the carvings and murals of Levanzo.

Splendid beaches are to be found at San Vito Lo Capo, Scopello, and Cornino, and a wild and rocky coast around Monte Cofano: all at less than one hour's drive from Erice.

More information about the «Ettore Majorana» Foundation and Centre for Scientific Culture can be found on the WWW at the following address:
<http://www.csem.infn.it>

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