

CENTRO FERMI



Museo Storico della Fisica e
Centro Studi e Ricerche Enrico Fermi

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Director



Is quantum theory exact? The endeavor for the
theory beyond standard quantum mechanics.

Laboratori Nazionali di Frascati, April 28-30 2014

The **Enrico Fermi Centre** is a research institution, established in 1999 by a law of the Italian Parliament, devoted to multidisciplinary studies, where physics remains the core.

It aims to integrate the knowledge generated in different fields, and to promote discussion among top scientists with different areas of expertise.

Its activities run along three lines:

- Support of young, smart researchers by awarding fellowships;
- Support of interdisciplinary research projects at the forefront of the science;
- Diffusion of scientific culture and historic memory of Fermi's life and achievements.



Enrico Fermi
Nobel Prize
(1938)



The Institute of Physics in “via Panisperna” (photo at the end of 1800), where Fermi and his collaborators made fundamental steps in nuclear physics.



Nowadays the restoration works are going on.



The fountain in the Institute’s garden where Fermi tested the effect of water on the slowing of neutrons. ([Historic site of EPS](#))

Strategic Research Areas

RESEARCH LINES	
A	Extreme Energy Events (EEE) – Science inside Schools
B	Quark-Gluon Coloured World (QGCW) – ALICE and beyond
C	Advanced Techniques for Biomedical Applications
D	Energy
E	Environment and Cultural Heritage
F	Fundamental Physics, History of Physics and Complexity

**Open Problems in Quantum Mechanics - SSD Detectors Systems
and Models of Dynamic Reduction**

C. Curceanu, K. Piscicchia

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