

Frontiers in Ultracold Fermi Gases

90 years after the "birth" of fermions in Florence

Firenze (Italy), March 21st-23rd 2016



In 1926, when he was professor in Florence, Enrico Fermi published his famous article on the "quantization of the ideal monoatomic gas", unveiling the behavior of the particles that, after him, would have been named as *fermions*. More than seventy years later, atomic physicists succeeded in bringing ultracold clouds of monoatomic gases down to the regime predicted by Fermi, starting a new field of research that has greatly enhanced our knowledge of physics and opened new technological avenues.

This conference, held in the location on the hill of Arcetri (Florence) that inspired the work of Fermi, will cover the most important developments in the field of ultracold Fermi gases, including: strongly interacting Fermi gases, fermionic superfluidity, fermions in optical lattices, quantum simulation with ultracold fermions.

Scientific committee:

Massimo Inguscio (University of Florence)
Sandro Stringari (University of Trento)
Roberto Casalbuoni (University of Florence)
Leonardo Fallani (University of Florence)

Organization support:

Elisabetta Baldanzi (CNR-INO)

Deadline for registration:

March 15th 2016

Information and registration:

www.fermiflorence.com
fermiflorence@gmail.com

Confirmed speakers:

Carlo Di Castro (University of Rome "La Sapienza")
Tilman Esslinger (ETH)
Stefano Giorgini (University of Trento)
Rudolf Grimm (IQOQI & University of Innsbruck)
Jason Ho (Ohio State University)
Randy Hulet (Rice University)
Giacomo Roati (CNR-INO & LENS)
Christophe Salomon (Ecole Normale Supérieure)
Gora Shlyapnikov (Univ. Paris-Sud & Univ. of Amsterdam)
Giancarlo Strinati (University of Camerino)
Hui Zhai (Tsinghua University)
Martin Zwierlein (MIT)

with support from:



UNIVERSITÀ
DEGLI STUDI
FIRENZE



INO-CNR
ISTITUTO
NAZIONALE DI
OTICA

