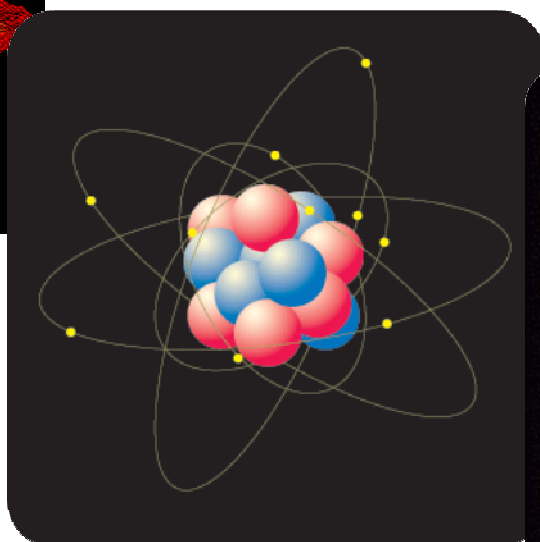
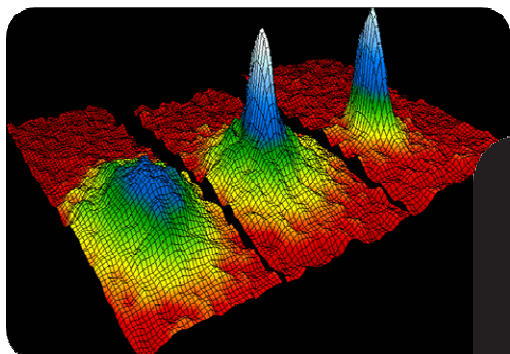


Florence, 9-10 April 2010

Sala Luca Giordano, Palazzo Medici Riccardi

Salone de' Cinquecento, Palazzo della Signoria



Chair

Francesco S. Pavone

Co-chairs

Francesco S. Cataliotti

Paolo De Natale

Antonio Sasso

In the last two decades enormous scientific discoveries and advancements in the field of atomic physics have occurred in the world. The advancements in fundamental physics have led to measurements with a never-reached-before precision of fundamental physical constants. New states of matter and the new "materials" to the lowest temperature of the universe were discovered, allowing the study of interactions between atoms at temperatures close to zero. The increased transfer of knowledge to applications in the field of biology and medicine has opened the door to new methods in biomedical diagnostic and manipulation of biological sample. Finally, applications in everyday life have led to new atomic clocks, to new ultra-precise positioning systems, to the implementation of the first quantum computers, and to absolutely inviolable quantum cryptography systems for data transmission.

Invited Speakers

Alain Aspect

Claude Cohen-Tannoudji

Eric A. Cornell

Theodor W. Hänsch

John L. Hall

Serge Haroche

Wolfgang Ketterle

Massimo Inguscio

William D. Phillips