

# Frontiers of Quantum and Mesoscopic Thermodynamics

25 - 30 July 2011, Prague, Czech Republic

<http://conferences.fzu.cz/fqmt/11/>

## Public Evening Lecturers

Claude Cohen-Tannoudji (Paris)

Martin Rees (Cambridge)



View of Prague Castle (ca 1830)

Drawn by L. Lange, engraved by J. Poppel

## Topics

Foundations of quantum physics  
Non-equilibrium quantum statistical physics  
Quantum thermodynamics  
Quantum measurement, entanglement and coherence  
Dissipation, dephasing, noise and decoherence  
Quantum optics

Macroscopic quantum behavior  
Physics of quantum computing and information  
Mesoscopic systems  
Spin systems and their dynamics  
Biological systems, molecular motors  
Cosmology, gravitation and astrophysics

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