



**Venerdì 18 Febbraio**  
**Aula Wataghin, ore 14:30**

**Claudia Ratti**  
**(Università di Torino)**

## **QCD Matter under extreme conditions**

A transition occurs in strongly interacting matter from a hadronic, confined system at small temperatures and densities to a phase dominated by colored degrees of freedom at large temperatures or densities. I review the main aspects of the phase diagram of Quantum Chromodynamics, combining the information that we can obtain from numerical simulations, phenomenological models and heavy ion collision experiments.