

The complexity of the cosmos: an interdisciplinary symposium in cosmology, astrophysics and statistical mechanics

Topics that will be discussed during the workshop:

- Non-linear problems in gravitational physics, collapse & structure formation: role of the Non-Linear Schrodinger Equation
- Astrophysical and cosmological probes of primordial quantum correlations
- Non-Markovian (non-equilibrium) effects in cosmological problems
- Black hole thermodynamics & information problem

Scientific Committee:

Marica Branchesi, Sabino Matarrese, Roberto Livi

Organizing Committee:

Giacomo Gradenigo, Andrea Maselli, Paolo Pani

Invited Speakers:

Erik Aurell (Stockholm University)

Nicola Bartolo (University of Padova)

Angelo Bassi* (University of Trieste)

Lapo Casetti (University of Florence)

Kyriakos Destounis (University of Tubingen)

Giacomo Gradenigo (GSSI)

Raul Jimenez (University of Barcelona)

Stefano Liberati* (SISSA)

Sandro Wimberger (University Parma)