Nonlinearity in relativistic cosmology of the early and late universe

In this talk I will give a brief overview of work on three topics: 1) nonlinear perturbation theory, observables and gauge-invariance; 2) bouncing cosmology based on dark energy with a nonlinear equation of state, possibly interacting with CDM; 3) full-GR simulations of nonlinear structure formation

Auteur principal: Dr BRUNI, Marco Orateur: Dr BRUNI, Marco