



Universidad
Carlos III de Madrid

Seminario del Instituto Gregorio Millán

Numerical simulations for the Early Universe

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Resumen

Real-time numerical simulations are required to deal with the out-of-equilibrium strongly coupled processes taking place in the early Universe. In this talk I will review the numerical approach and some of the results obtained in this context. As a case example, I will focus on discussing a recent proposal for the generation of primordial helical magnetic fields that could give rise to the large scale microgauss fields observed today in galaxies and clusters of galaxies.

- **DÍA:** Miércoles 20 de mayo de 2009
- **HORA:** 12:30
- **LUGAR:** Edificio Sabatini. Aula 2.1.D04