

ΓΕΝΙΚΟ ΣΕΜΙΝΑΡΙΟ ΤΜΗΜΑΤΟΣ ΦΥΣΙΚΗΣ

PHYSICS COLLOQUIUM

Thursday, 21 April 2016

17:00 -18:00

3rd Floor Seminar Room

"Testing string theory with cosmological observations "

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Abstract

The current paradigm of early universe cosmology is based on point particle matter theories coupled to classical General Relativity. However, in the very early Universe corrections to General Relativity will become important, and if Nature is indeed described by superstring theory, then the stringy nature of matter will be important. I will discuss how the stringy nature of the early universe could leave behind imprints which are measurable in cosmological observations.