



Universidad del País Vasco
Euskal Herriko Unibertsitatea
The University of the Basque Country

Seminarios de Física Teórica Fisika Teorikoa: Hitzaldiak

Understanding Cosmic String Networks

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Abstract Cosmic strings are a common (though not universal) prediction of grand unified theories, and may also arise from inflation in Superstring Theory. If they exist, they will provide a window into fundamental physics at otherwise unreachable scales. Cosmic strings form a "network" of infinite strings and loops of all sizes. To understand the possibility for observable signals, we determine the properties of this network by extrapolating from large-scale numerical simulations and analyzing the emission of gravitational waves (which are both the most important signal and the most important energy-loss mechanism).

Seminar Room, Dept. of Theoretical Physics, Corridor 4.-2.

WEDNESDAY, Sept. 24th, 2014

Time:11:40 am