



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

## Seminarios de Física Teórica Fisika Teorikoa: Hitzaldiak

# Searching for Cosmic Strings in New Observational Windows

Robert Brandenberger

McGill University

**Abstract** Cosmic strings are topologically stable solutions of the field equations in a large class of particle physics models beyond the "Standard Model". If Nature is described by such a model, then a network of cosmic strings inevitably forms in the early universe and survives to the present time. The gravitational effects of these strings lead to unique signatures in cosmological windows such as CMB temperature and polarization maps and 21cm redshift surveys. I will discuss some of these signals.

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

**Wednesday, Oct. 28th, 2015**

**Time:11:40 am**