

# Università degli Studi di Trieste

## Dipartimento di Fisica - INFN

### Seminario

## Carlo Baccigalupi

Full professor, SISSA, Head of Astrophysics  
Associated to INFN and INAF

Thursday, December 1, 4:30 PM - Lecture Room A, F building, Dip. di Fisica – via Valerio 2 – Trieste

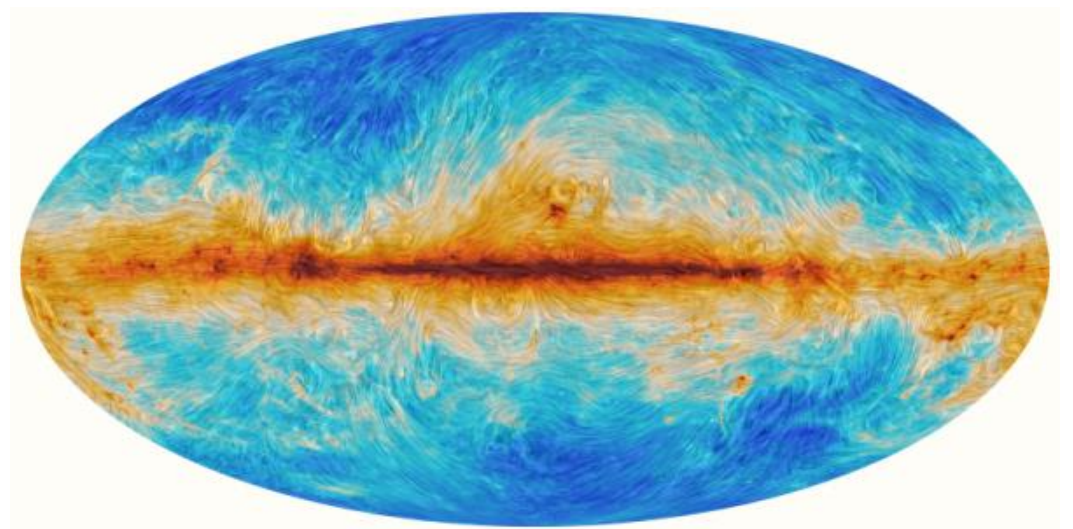
## The new frontier for CMB experiments: B-modes from Cosmological Gravitational Waves



mode data analysis and the main efforts in EU and US for achieving accurate measurements on all accessible angular scales in the forthcoming years.

CMB polarization anisotropies contain contributions from Cosmological Gravitational Waves and Gravitational Lensing, dominating a small, still largely unknown, component known as Bmodes. We discuss the scientific implications of these measurements for the physics of the very early Universe and the Dark Matter and Energy,

respectively. We review the current knowledge on B-



Organizzazione a cura di: M. Boezio (INFN), R. Rui (UniTs/INFN), E. Vesselli (UniTs)

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**Everyone interested in the topic is welcome to attend**

Informazioni: [seminari@ts.infn.it](mailto:seminari@ts.infn.it)