

AVVISO DI SEMINARIO

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13 novembre 2015, ore 14.30

Recent cosmological results from the Planck mission

The Planck Collaboration has recently released mm and sub-mm maps in temperature and polarization from the whole set of sky surveys. I will describe the fundamental aspects of the mission and the complex data analysis required to extract the main products, consisting in the cosmic microwave background map and astrophysical components, of both discrete and diffuse origin. Finally, I will discuss the main cosmological implications of the mission, focusing on dark matter and dark energy as key ingredients of the standard cosmological model, and on the recent limits set on primordial B-modes derived combining data from Planck and BICEP2-Keck array.

Aula: U2-03, Dipartimento di Fisica.

Il coordinatore del dottorato in Fisica e Astronomia.