

CENTRE D'ETUDES NUCLÉAIRES DE BORDEAUX-GRADIGNAN

Vendredi 10 Avril 2015

à

11H

Un café sera servi à partir de 10h45

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The Planck 2015 release: general overview of the Planck results and news from neutrino sector

The ESA telescope Planck surveyed with unprecedented precision the Cosmic Microwave Background (CMB) anisotropies, with the highest resolution measurements so far. The 2015 Planck data release that includes temperature and first polarization data has just become available.

In this talk I will go through a brief introduction on the CMB and I will give an overview of the new Planck results, focusing on the constraints on the cosmological parameters. I will also show that CMB is a valuable tool for testing Neutrino Physics and that Planck data allows us to shed light on various interesting open questions such as the value of the absolute scale of neutrino masses or neutrino energy density.

Salle des Séminaires du CENBG

Le Haut Vigneau - BP 120 - F-33175 Gradignan Cedex