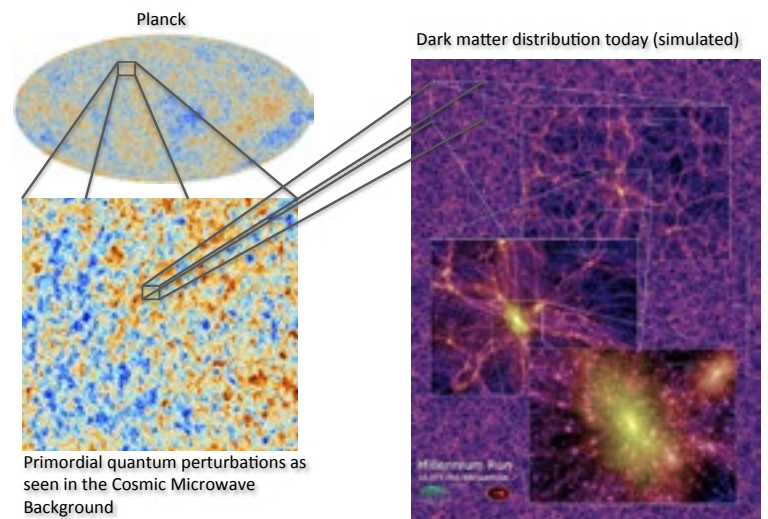


NPAC Seminar

# A Preview of the Planck 2014 Cosmology

Ben Wandelt, Institut Astrophysique de Paris

The cosmic microwave background (CMB) carries a cosmic message, preserved through time, written in its anisotropies. The Planck mission is now about to reveal a new chapter of this message using high-resolution nearly all-sky information of the polarization anisotropies for the first time, in addition to upgrading from the nominal mission to the full mission data set. These data provide new insights into several open questions related to the nature of the primordial fluctuations that seeded all structure; the global properties of the universe; neutrinos; dark matter; dark energy; atomic physics; and gravity.



**Thursday, December 11, 2014**

2:30 pm | 4272 Chamberlin Hall

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