

## Séminaire LAL

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**Mardi 7 mai 2019 à 11h00**

***Future observations of the polarized Cosmic Microwave Background:  
expected science and challenges***

Testing inflation has become one of the main goals in observational cosmology, and one of the scientific priorities for the new generation of Cosmic Microwave Background projects.

A race to more sensitive focal planes, combined to a high control of the instrumental and astrophysical systematic effects, is at play across the globe.

In this talk, I will review some of the current and future observational efforts I am working on, which are all aiming at detecting the inflationary, primordial gravitational waves: POLARBEAR-1, the Simons Array and Simons Observatory, CMB-S4 and LiteBIRD. I will illustrate some of the current challenge that the scientific community has to face, and its plans to overcome them.

***Salle 101*** - Bât. 200, Orsay

Organisation :

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