

Séminaire LAL

Radek Stompor
(APC, Université Paris 7)

vendredi 29 septembre 2017 à 11h00

Quest for the CMB B-mode polarization: from POLARBEAR to Simons Array and Observatory and to LiteBIRD

I will review the POLARBEAR program of observing the B-mode polarization of the Cosmic Microwave Background - one of the leading, current observational efforts in the CMB area. The first campaign of POLARBEAR provided for the very first time diverse pieces of evidence in favor of the presence of the B-mode signal on small-angular scales, confirming our long-standing expectations, while demonstrating the technological progress in the CMB instrumentation. This sets the scene for the next-generation of efforts, including forthcoming experiments: Simons Array and Simons Observatory as well as a prospective satellite mission, LiteBIRD. I will briefly introduce the physics behind the CMB B-modes, present the latest results of POLARBEAR, and discuss the short and longer term future of the program.

Auditorium Pierre Lehmann - Bât. 200, Orsay

Thé et café seront servis 15 mn avant le séminaire
Organisation : Reisaburo Tanaka (LAL) - seminaires@lal.in2p3.fr
LAL web : <http://www.lal.in2p3.fr>
Indico: <https://indico.lal.in2p3.fr/category/31/>