

# Cosmology with Planck and beyond

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The ESA Planck satellite, launched in 2009, produced full-sky maps of the microwave sky in both temperature and polarization over a broad range of frequencies. An analysis of these maps allows us to characterize the initial conditions of our universe. The Planck Collaboration has released two sets of papers with results on cosmology: one in 2013 and another in 2015. I will discuss the implications of these results for our understanding of the physics at play in the very early universe. I will also discuss prospects for improving our understanding with future CMB probes, in particular of the CMB B mode polarization.

## **Presentation type**

Plenary (25+5 min)

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