

What will we learn from the Planck satellite?

Wednesday 4 July 2007 14:00 (1 hour)

The Planck satellite, to be launched in 2008, is designed for measuring CMB temperature and polarization anisotropies with much better precision than the -already impressive- WMAP experiment. In this seminar, I will present the expected sensitivity of Planck to the parameters describing dark matter, dark energy, inflation, relic neutrinos, etc., which are also of great interest for particle physics. I will show how this sensitivity will increase, first, by performing a weak lensing analysis of the raw temperature map, and second, by combining Planck data with future large scale structure surveys.

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Session Classification: Seminar