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## Planck 2015 results on Dark Energy and Modified Gravity

*Tuesday 15 December 2015 14:00 (26 minutes)*

The latest cosmic microwave background data obtained by ESA Planck satellite allow us to test the evolution and content of the Universe in great detail. I will review the analysis done by the Planck collaboration and presented in the “Planck 2015 results. XIV. Dark energy and modified gravity” paper, which considered two broad cases: a DE which affects the background evolution and DE or MG parametrizations which instead modify the evolution of cosmological perturbations. In this talk I will also discuss the combination of Planck data with external datasets and their implication on the constraints.

### Collaboration

Planck Collaboration

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