

Testing gravity and constraining dark energy with Euclid

Tuesday 7 September 2021 09:00 (1 hour)

Euclid is an ESA medium class astronomy and astrophysics space mission. Euclid was selected by ESA in October 2011 and its launch is planned for 2022. Euclid will explore how the Universe evolved over the past 10 billion years to address questions related to fundamental physics and cosmology..

I will give a general overview of the Euclid satellite and its mission, and describe the main probes and how they observe the evolution of the Universe. Focusing particularly on dark energy and modified gravity models, I will then briefly review what we know now, and how the Euclid observations will help to improve our knowledge.

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Session Classification: Invited Plenary Session