



Contribution ID: 90

Type: **not specified**

Testing gravity on all scales

Tuesday 16 November 2021 15:00 (1h 20m)

Recent years have seen great progress in probing gravitational physics on a vast range of scales, from the very largest cosmological scales to the microscopic ones associated with high energy particle physics. In this talk I will focus on how we can use these different systems synoptically to learn more about dark energy. Specifically, I will discuss the interplay of dark energy constraints from the following systems: gravitational waves emitted by binary systems, the cosmic microwave background, large scale structure, and (theoretical) bounds on the behaviour of gravity on scales inaccessible to current experiments.

Presenter: NOLLER, Johannes (University of Portsmouth & University of Cambridge)