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## Void-Lensing as a test of gravity

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Voids are one of the building blocks of large scale structure (LSS) that have been capturing the attention of the community in the last decade. The reasons are that they are, in principle, easy to model, found in low density regions, mitigating much of the complications from non-linearities, present higher densities of dark energy and neutrinos than an average environment in LSS and last but not least, are specially sensitive to modifications to gravity. Weak lensing is an increasingly interesting observable that allows us to directly access the dark matter density field. In this talk I show the current paradigm of the cross-correlation between voids and weak lensing, as well as ideas for optimising this measurement in upcoming spectroscopic surveys and possible next steps in this field.

**Auteur principal:** ISQUIERDO BOSCHETTI, Renan (CPPM)

**Orateur:** ISQUIERDO BOSCHETTI, Renan (CPPM)

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