Contribution ID : **872** Type : **Oral talk**

Forecasts from the void-lensing cross-correlation

Cosmic voids are the biggest large scale structure of the universe, whose evolution is sensitive to cosmological parameters. In particular, it is possible to study their auto- correlation function, or cross-correlate their distribution with other cosmological observables, such as the CMB, the galaxy distribution or the weak gravitational lensing. In this talk I will present the forecast on the measurement of the neutrino mass scale and the Dark Energy equation of state, obtained from the void-lensing cross-correlation applied to ESA survey, Euclid. The result indicates that this observable allows to enhance the measurement of these parameters, and consequently the Euclid performance.

Primary author(s) : BONICI, Marco (Università degli Studi di Genova)

Presenter(s) : BONICI, Marco (Università degli Studi di Genova)

Session Classification : Gravitation and Cosmology

Track Classification : Gravitation and cosmology