

Probe combination in Euclid to go beyond the standard model

mercredi 5 novembre 2025 15:10 (40 minutes)

After a successful launch in 2023, and the beginning of the scientific survey last year, Euclid has become the first stage IV photometric survey in operations. In addition to all the cosmological probes that can be considered from Euclid's photometric observations, a spectroscopic survey is also being performed, allowing us to add even more probes to a combined analysis from Euclid data alone. In this talk I will present the current predictions for a combined analysis with the main Euclid probes, namely spectroscopic galaxy clustering and 3x2pt (photometric galaxy clustering, weak lensing, and galaxy-galaxy lensing), paying special attention to how the combination of different probes enables us to test different models beyond the LCDM framework.

Auteur: TUTUSAUS, Isaac (ICE/IRAP)

Orateur: TUTUSAUS, Isaac (ICE/IRAP)