



ID de Contribution: 35

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# Multi-probe inferences of late-time cosmic dynamics from Stage-III to Stage-V surveys

*mercredi 3 juin 2026 10:00 (30 minutes)*

Dark matter and dark energy dominate the late-time Universe, but their physical nature remains unknown. I will present results on using the clustering of cosmological tracers (supernovae, galaxies, galaxy clusters) to constrain late-time cosmic dynamics from Stage-III to Stage-V surveys within a Bayesian forward-modelling framework. I will summarise key results from existing data sets, including the most precise determination of the Hubble constant from Cepheids to date, recent investigations for the Euclid mission, and discuss ongoing work for the conceptual planning of the Stage-V Wide Field Spectroscopic Telescope. Finally, I will outline several promising directions that emerge from these results, aimed at pushing the constraining power of these probes to their practical limits with upcoming data sets.

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**Classification de Session:** Wednesday Morning