

Cosmic Cartography 2022: Exploring the Cosmic Web and Large-Scale Structure



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Forecasting high-redshift intrinsic galaxy-cosmic web alignment for Subaru-PFS

Tuesday, 8 March 2022 15:00 (20 minutes)

I will review some recent work in measuring intrinsic alignments between large-scale structure (LSS) and galaxy angular momenta and shapes, using hydrodynamic cosmological simulations. I will then preview an upcoming forecast of the LSS-galaxy alignment signal which will be measured by the Subaru Prime Focus Spectrograph (PFS), with data from the IllustrisTNG simulation and LSS reconstruction through IGM tomography.

Presenter: ZHANG, Benjamin (UC Berkeley, Kavli IPMU)

Session Classification: Day 2 Afternoon