

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



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Large Scale Structure with the Prime Focus Spectrograph

Tuesday, 8 March 2022 09:00 (30 minutes)

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The Prime Focus Spectrograph will be an incredibly powerful instrument for large-area surveys of galaxies over most of cosmic time. With its wide wavelength coverage and multiplexing capabilities, it will be a powerful redshift machine. I will briefly describe the Strategic Survey Plan, and then focus on the Galaxy Evolution survey. With our Main survey, we will define the anisotropic cosmic web with unprecedented sampling at $z > 1$. With our Deep spectra, we will then study the star formation histories, outflow rates, and chemical enrichment of these galaxies as a function of their location in the large scale structure.”

Presenter: GREEN, Jenny (Princeton University)

Session Classification: Day 2 Morning