

Disentangling Cosmological Signatures from Weak Lensing Systematics

Dr. Rachel Bean
rbean@astro.cornell.edu
Cornell University

Abstract: We discuss how key systematic uncertainties for upcoming large scale structure surveys could effect cosmological constraints, for example on dark energy and modifications to gravity on cosmic scales. How one models measurement systematics, such as calibration offsets and photometric redshift errors, and astrophysical systematics, such as galaxy bias and intrinsic alignments, can have a notable impact of projected constraints. The use of cross-correlation data and both photometric and spectroscopic data could help mitigate these uncertainties.