

Abstract Submitted
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Cosmic shear: internal consistency and results from three years of Dark Energy Survey Data DANIEL GRUEN, Stanford Univ, DARK ENERGY SURVEY COLLABORATION — I present measurements and methodological progress on gravitational shear two-point correlation functions from three years of Dark Energy Survey Data, i.e. over the full footprint. As one major upgrade, a new formalism allows us to make principled use of spectroscopic information for the calibration of galaxy redshift distributions, including a comprehensive suite of tests of internal consistency. Passing these, our measurements provide the most precise and accurate constraints to date on late-time structure in the cosmos. I discuss cosmological implications of these results and review the most relevant systematic uncertainties requiring continued effort for upcoming data sets.

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