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Cross-correlation of CMB lensing with DESI galaxies MARTIN WHITE, ELLIE KITANIDIS, University of California, Berkeley, SIMONE FER-RARO, RONGPU ZHOU, Lawrence Berkeley National Laboratory, DESI COL-LABORATION — Cross-correlations between the lensing of the cosmic microwave background (CMB) and other tracers of large-scale structure provide a unique way to reconstruct the growth of dark matter, break degeneracies between cosmology and galaxy physics, and test theories of modified gravity. We report a high S/N detection of the cross-correlation between DESI luminous red galaxies and CMB lensing maps reconstructed with the Planck satellite, discuss the implications and expectations for the future.

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