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Galaxy-Galaxy Lensing in Dark Energy Survey Science Verification Data JULIANA KWAN, BHUVNESH JAIN, JOSEPH CLAMPITT, University of Pennsylvania, CARLES SANCHEZ, University of Barcelona, NIALL MACCRANN, Manchester University, DARK ENERGY SURVEY COLLABORATION — We present galaxy-galaxy lensing results from 150 square degrees of Dark Energy Survey science verification data. Our lens sample consists of red galaxies which are specifically selected to have a low photometric redshift outlier rate. The lenses cover a wide redshift range $0.2 < z < 0.8$, which divided into three bins yields a $S/N > 20$ lensing measurement for each bin. The result is checked by performing a number of null tests, including various checks on the shear catalog and photometric redshifts. Covariances from jackknife subsamples of the data are validated with a suite of 100 mock surveys. We fit an HOD model that constrains the lens sample's central halo mass, mass-luminosity scatter, and satellite population.

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