

APR14-2014-000732

Abstract for an Invited Paper
for the APR14 Meeting of
the American Physical Society

Weak Lensing in the Dark Energy Survey

JOSEPH CLAMPITT, University of Pennsylvania

We show tests of weak lensing on ~ 200 sq. deg. of DES Science Verification data, with a focus on validation of galaxy-shear and mass mapping measurements. These tests include shear around stars and random points, tests of the PSF model, and cross-correlations with various sources of systematic errors. We show preliminary results for stacked galaxy lensing and wide-field mass maps. We conclude with new lensing measurements that we have carried out with SDSS and will apply to DES.