

Technical Paper

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21 October 2013

ABSTRACT

Key words: cosmology: observations - gravitational lensing

1 INTRODUCTION

KK/JdJ

Description of survey and Observations

2 DATA

KK/JdJ/TE

Seeing distribution, optics etc, THELI reduction, masking, PSF patterns

2.1 KiDS Photometry for Redshifts

KK,HH/AC

Gaap/gaussianisation, photozs

2.2 KiDS Shapes for Lensing

CH/LM/RN

PSF modelling, noise biases, Lensfit updates^{*}

2.3 KiDS tests for systematic errors

CH/CB/KK/AC

Systematics tests: star-gal and g-g lensing (zl,zs), photo-z angular correlatio between z-bins

3 WEAK LENSING BY LARGE-SCALE STRUCTURE

KK/CH

Some theory

Cosmic shear in pass/fail fields/ regions of high/low psfs

Comparison to CFHTLenS

KK idea

4 CONCLUSIONS

KK

KiDS is great hooray!

5 ACKNOWLEDGEMENTS

Author Contributions: All authors contributed to the development and writing of this paper etc etc

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