

First gravitational lensing results from KiDS: studying the dark universe with light rays

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For the past three years the Kilo-Degree Survey (KiDS) has been compiling a multi-colour map of part of the Southern sky, with the aim of studying the distribution of matter through gravitational lensing. Measurements such as these provide direct information on the growth of structure in the universe, and on the cosmological model.

I will present first results, based on analysis of 100 square degrees of imaging data that overlap with deep spectroscopic galaxy surveys.