

## Cosmic shear: Going from stage-III to stage-IV

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I will review the current state-of-the-art of cosmic shear surveys and the major observational and theoretical systematics that need to be understood to attain robust cosmological results. Given the delays of the upcoming stage-IV surveys, I will give a near-term outlook on what can be expected from the established stage-III surveys in the next couple of years. The significant hurdles that need to be overcome for the next generation of surveys will be illustrated with Euclid as an example, advocating a big-picture approach that makes full use of ancillary data from other experiments/observatories and different wavelengths.

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