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## Higher Order Weak Lensing Statistics for Euclid

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Recent cosmic shear studies have shown that higher order statistics (HOS) developed by independent teams now outperform standard two-point estimators due to their sensitivity to non-Gaussian features of the large-scale structure. The use of such non-Gaussian estimators is being evaluated in Euclid by the Higher Order Weak Lensing Statistics (HOWLS) team. I will present the most recent results from our team that are part of a key project paper from the collaboration currently under review by the Euclid Consortium Editorial Board. We explore 10 different HOS and show the additional cosmological information they can provide compared to the two-point statistics originally planned for the mission.

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