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# Testing gravity and dark energy with galaxy-galaxy lensing and redshift-space distortion in the CFHT Stripe-82 and CFHTLS

The combination of GGL and RSD allow to break the degeneracy between the growth rate parameter $f$ and the matter density $\Omega_m$. In this talk, I will present our results obtained with the BOSS/CMASS sample at redshift $z = 0.57$, and the weak-lensing over an area of 338 deg$^2$. Using an ensemble of joint lensing and clustering lightcones, we also characterize the statistical properties of the $E_G$ gravity test estimator, and find that it has an asymmetric PDF, leading to potential biased conclusions. The individual estimates of $f$ and $\Omega_m$ provides a new way to understand the nature of dark energy.

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