Constraining HODs models using HSC Weak Lensing Joel C. Zinn, Princeton University

- $\rightarrow \langle N(M) \rangle \rightarrow P(k) \rightarrow \gamma(r)$, $\omega(\theta)$, $\xi_{QQ}(r)$
- ullet Richardson vs. Kayo-Oguri average shear $\langle \gamma(r)
 angle$
- WISEQQ (magnification), HSCQG (shear)
 - $^{\circ}$ Measure $\omega(\theta)$ in different magnitude bins, $\omega(\theta) \propto (2.5\alpha-1)$
 - Better shape measurements with HSC + higher redshift galaxies $\rightarrow \gamma(r)$ Expected Shear Signal for Richardson HOD (red) and Kayo-Oguri HOD (black)

