

Weak lensing masses of Ultra Diffuse Galaxies in nearby galaxy clusters

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The recent discovery of large populations of ultra diffuse galaxies (UDGs) in nearby galaxy clusters¹⁻³ has opened a new window into the process of galaxy formation and evolution. These galaxies have as much stellar matter as dwarf galaxies but appear as large in size as the Milky Way

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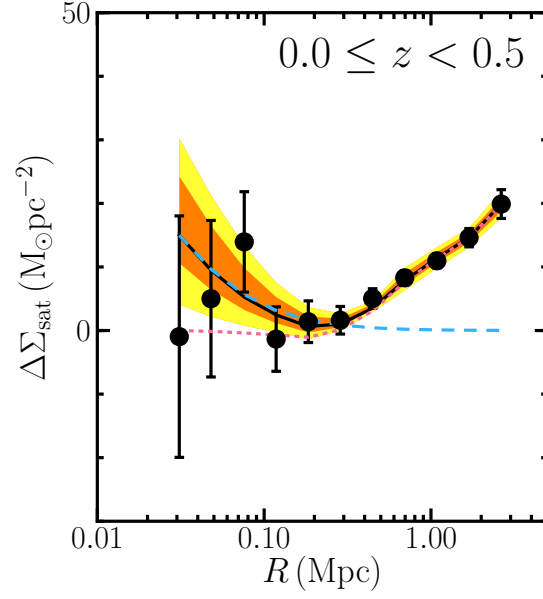


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1. Koda, J., Yagi, M., Yamanoi, H. & Komiyama, Y. Approximately a Thousand Ultra-diffuse Galaxies in the Coma Cluster. *ApJL* **807**, L2 (2015). 1506.01712.
2. van Dokkum, P. G. *et al.* Forty-seven Milky Way-sized, Extremely Diffuse Galaxies in the Coma Cluster. *ApJL* **798**, L45 (2015). 1410.8141.
3. van der Burg, R. F. J., Muzzin, A. & Hoekstra, H. The abundance and spatial distribution of ultra-diffuse galaxies in nearby galaxy clusters. *A&A* **590**, A20 (2016). 1602.00002.