- https://arxiv.org/abs/1706.01629
  Sanjib Sharma, **Markov Chain Monte Carlo Methods for Bayesian Data Analysis in Astronomy**

- https://arxiv.org/abs/1706.02704
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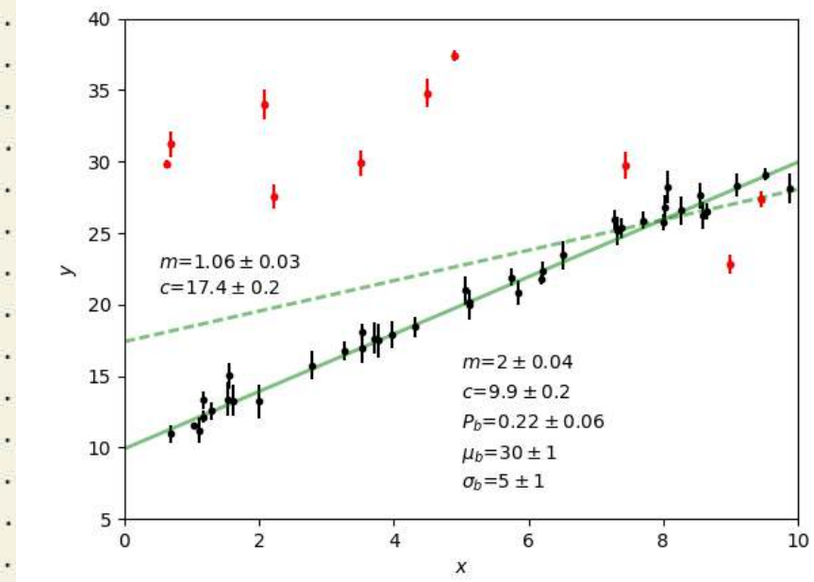
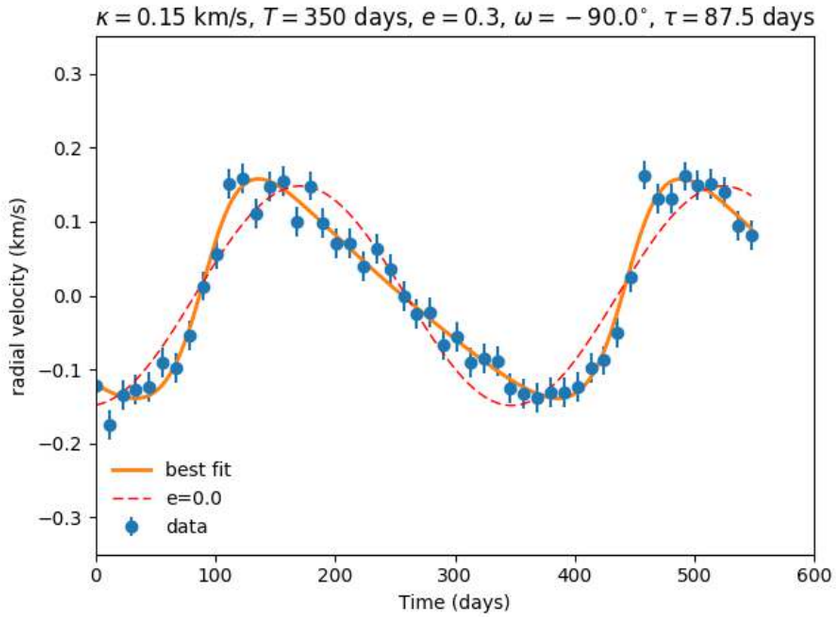
Annual Review of Astronomy and Astrophysics.

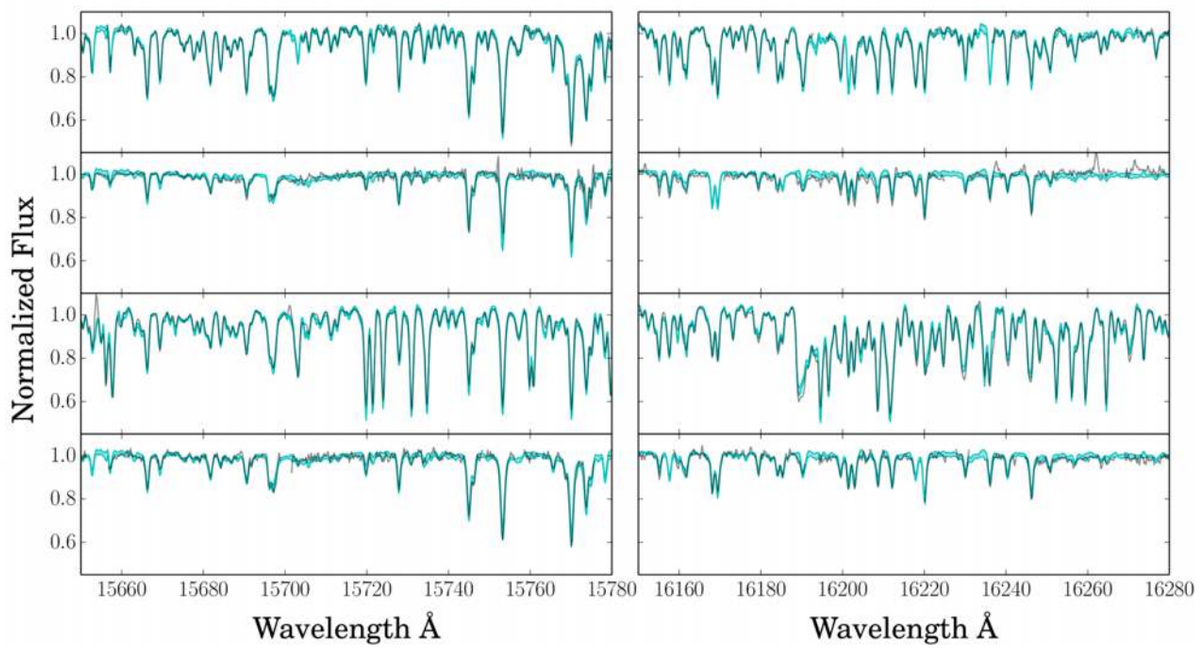
http://bmcmc.readthedocs.io/

**Contents**

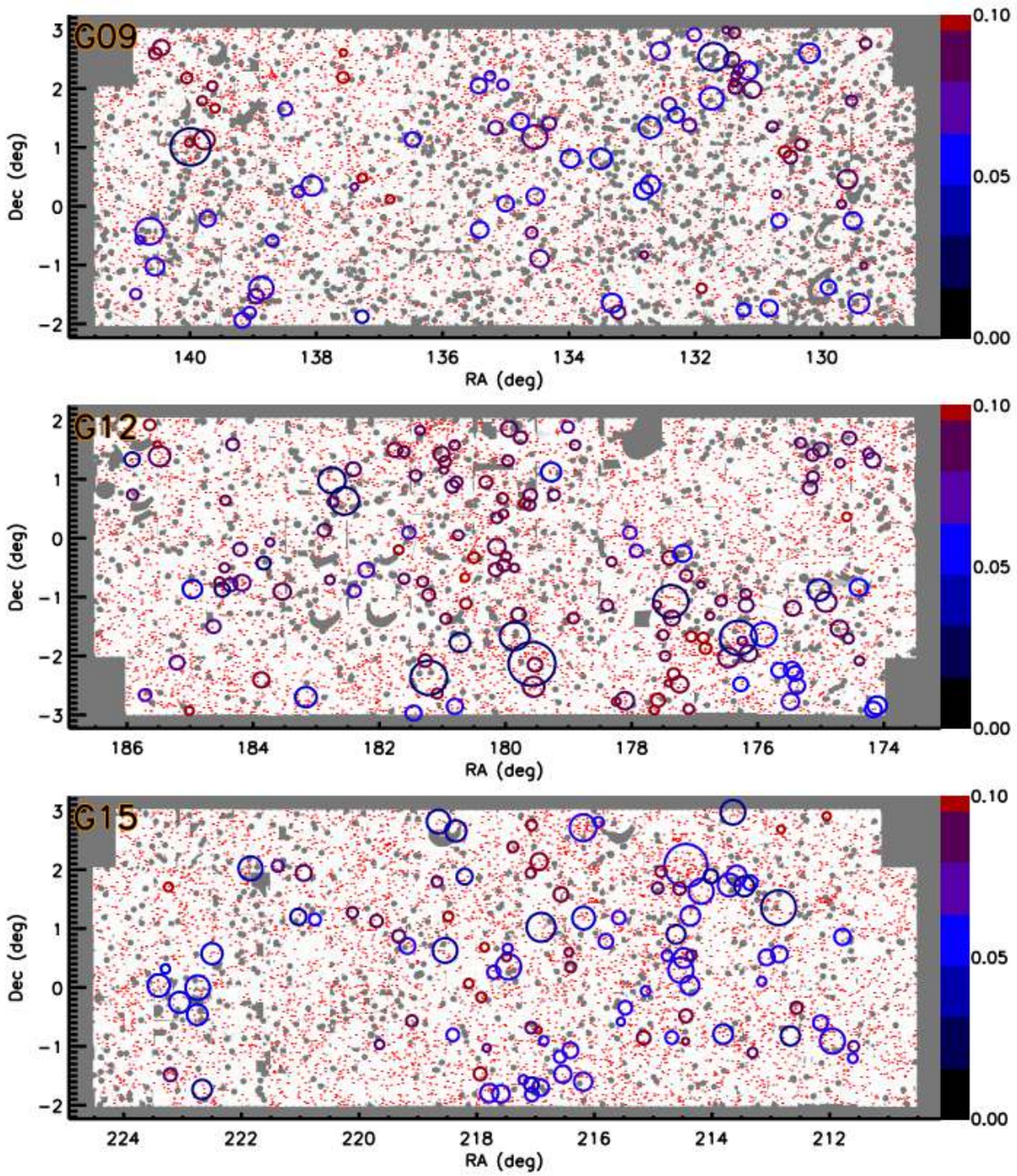




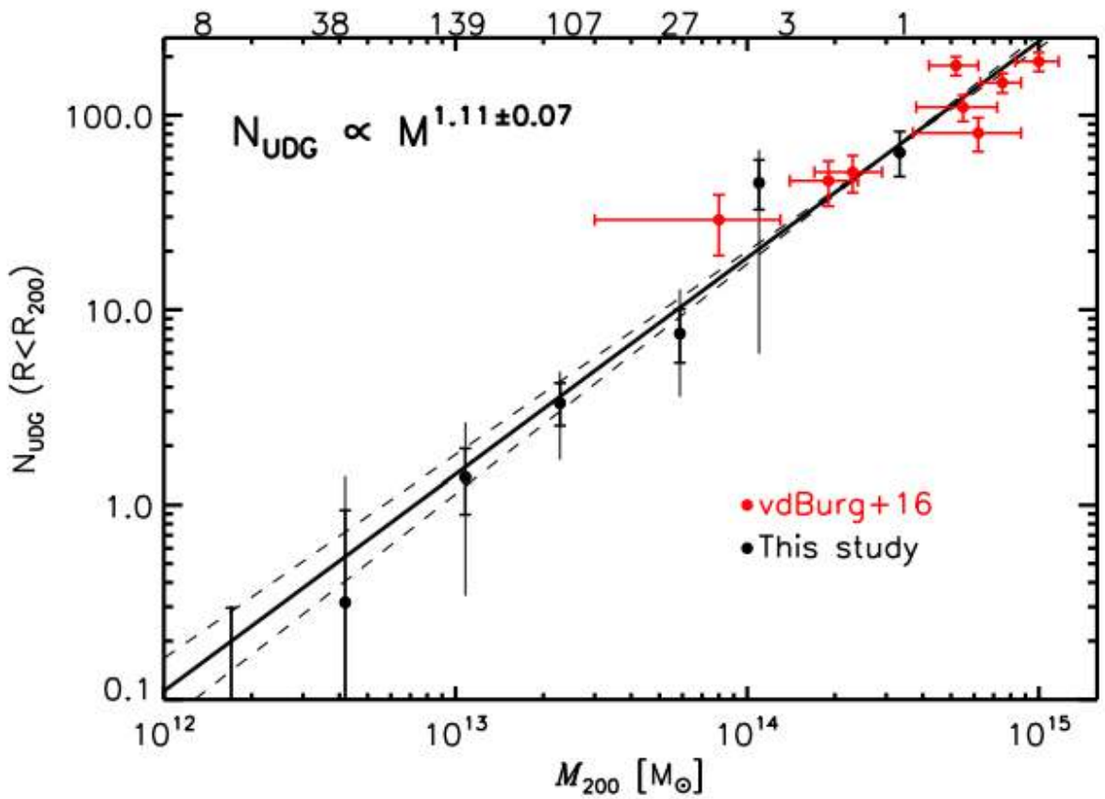



1706.02704 Remco F. J. van der Burg, Henk Hoekstra, Adam Muzzin et al., **The abundance of ultra-diffuse galaxies from groups to clusters: UDGs are relatively more common in more massive haloes**




| Binmean $\log_{10}[M_{200}/M_\odot]$ | Ngroups | UDGs per group | Richness $M_r < M_r^* + 2.5$ |
|---|---|---|---|
| 12.23 | 8 | $-0.21^{+0.51+0.52}_{-0.45-0.61}$ | $1.80^{+0.50+0.40}_{-0.44-0.78}$ |
| 12.62 | 38 | $0.32^{+0.62+1.08}_{-0.55-0.93}$ | $2.93^{+0.30+0.39}_{-0.27-0.40}$ |
| 13.03 | 139 | $1.38^{+0.56+1.26}_{-0.49-1.04}$ | $4.69^{+0.20+0.30}_{-0.18-0.26}$ |
| 13.36 | 107 | $3.31^{+0.89+1.51}_{-0.78-1.62}$ | $7.98^{+0.31+0.45}_{-0.27-0.48}$ |
| 13.77 | 27 | $7.54^{+2.52+5.22}_{-2.21-3.97}$ | $19.31^{+0.94+1.97}_{-0.83-1.59}$ |
| 14.04 | 3 | $44.93^{+13.95+21.54}_{-12.23-38.98}$ | $39.60^{+3.93+5.22}_{-3.44-7.79}$ |
| 14.52 | 1 | $64.29^{+18.16+18.16}_{-15.92-15.92}$ | $81.84^{+9.66+9.66}_{-8.47-8.47}$ |



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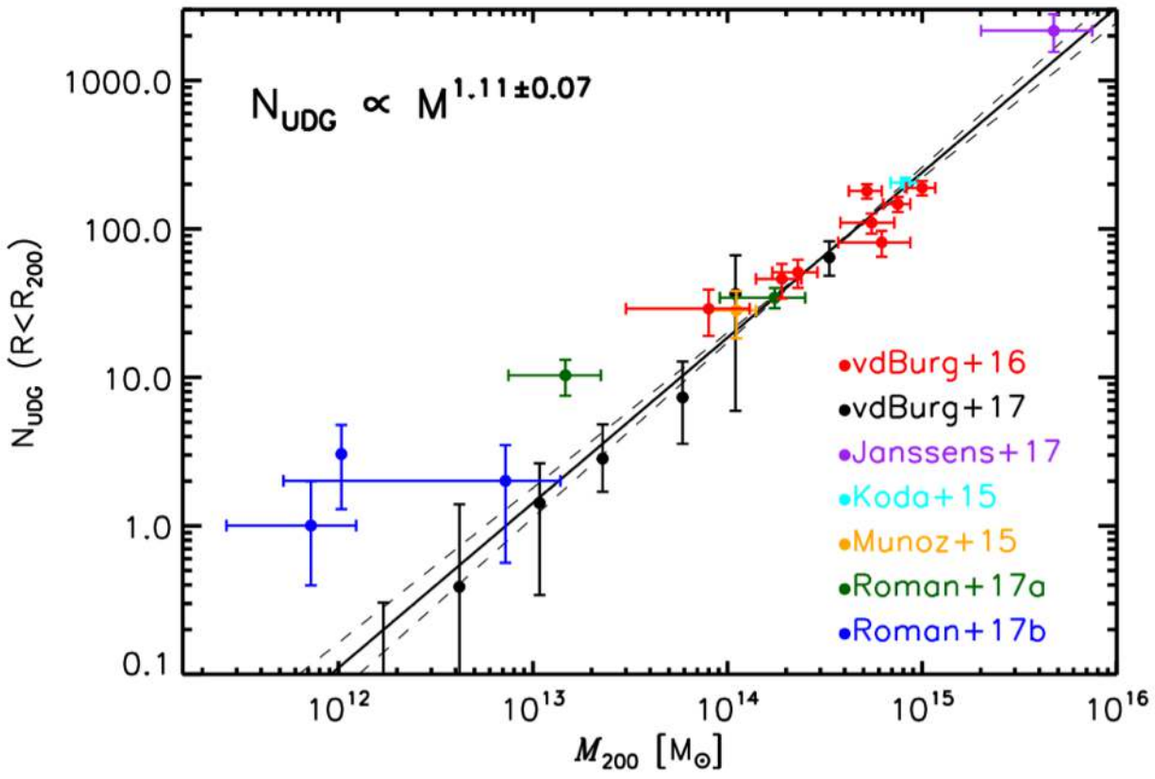


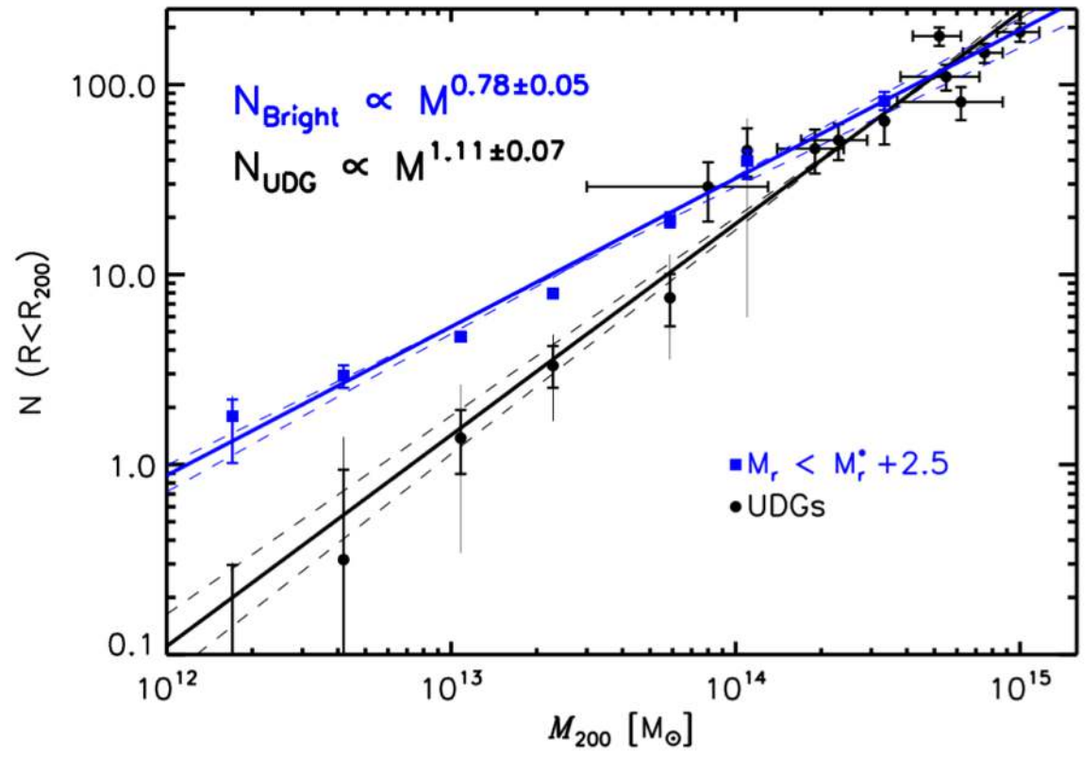


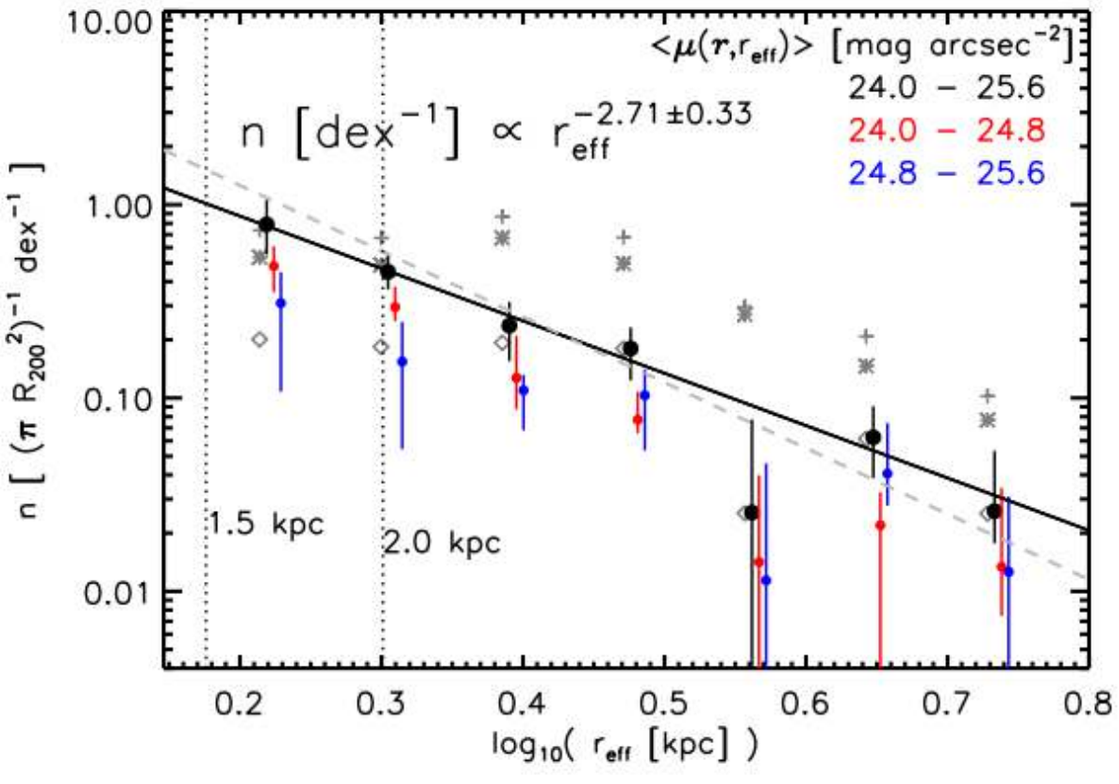


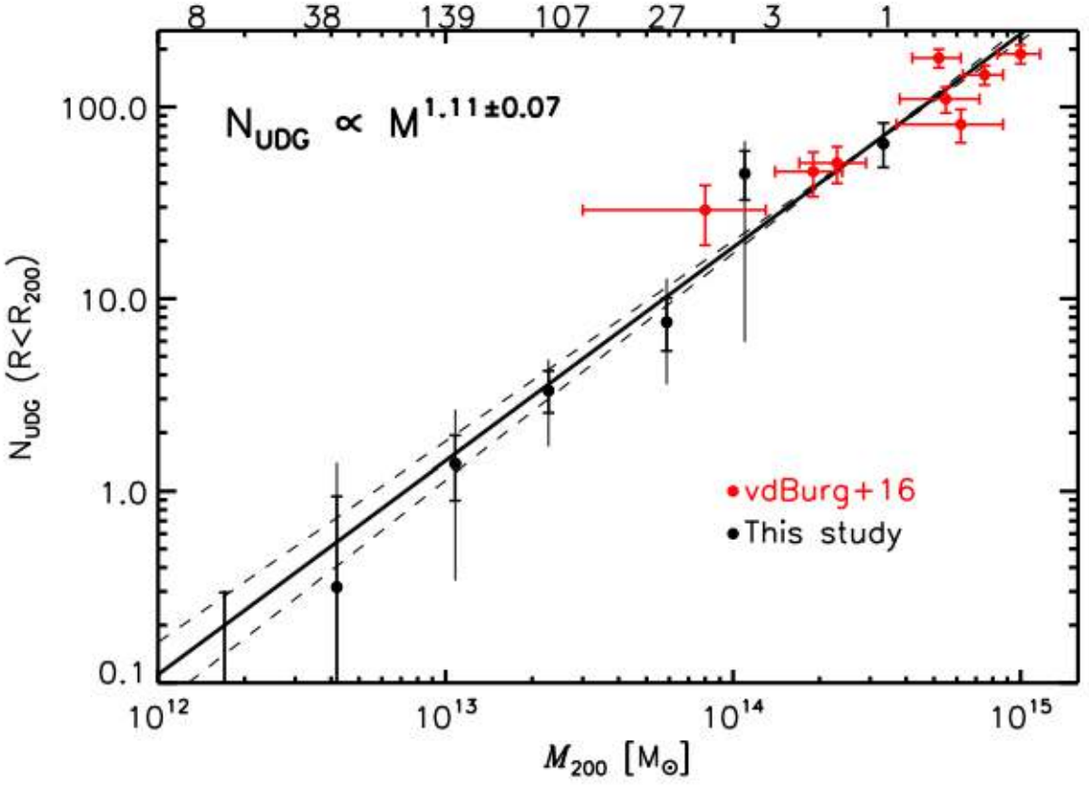

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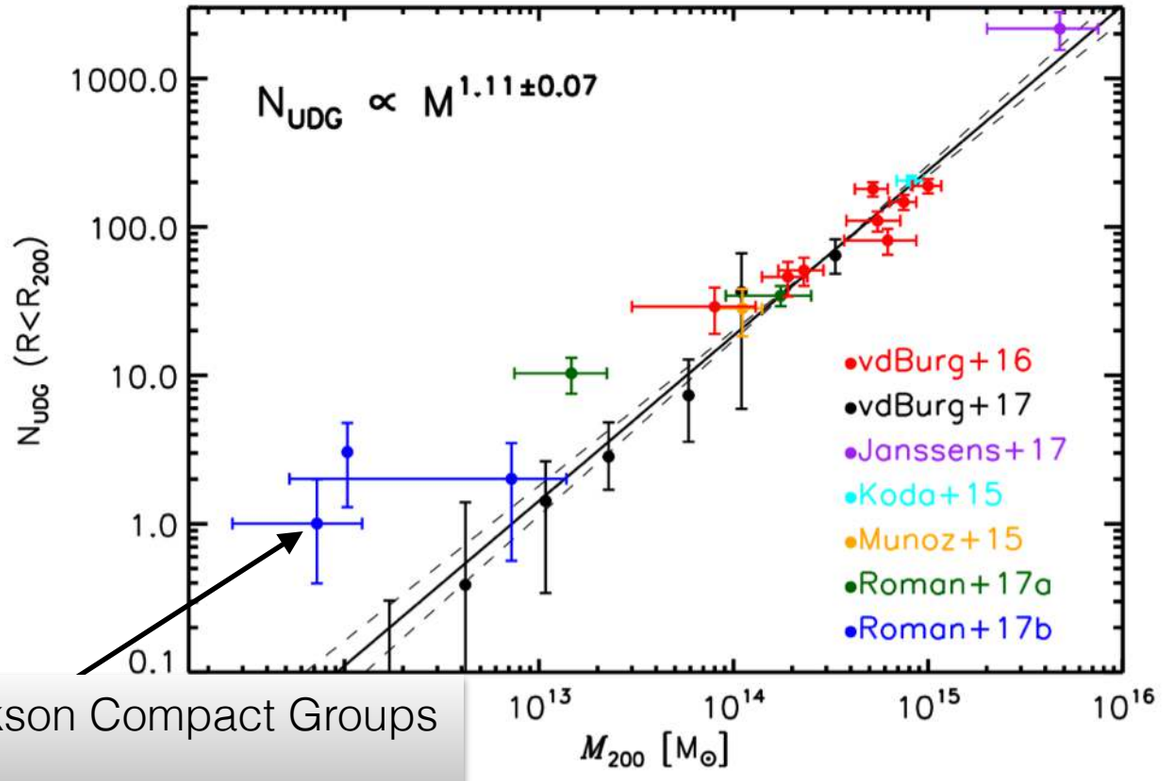


Hickson Compact Groups