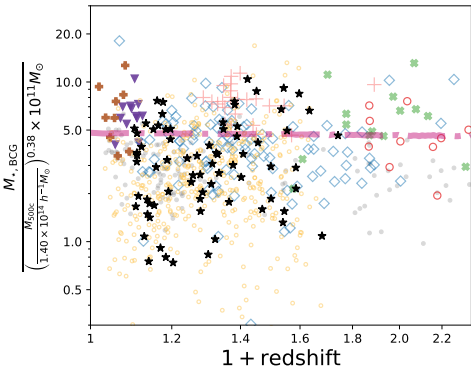
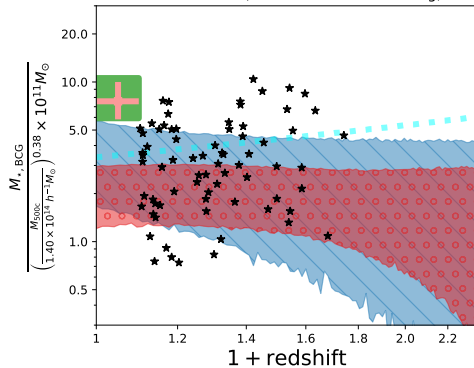


vs. observations



- ★ eRASS1 (this work)
- Akino+22
(at $M_{500c} = 1.40 \times 10^{14} M_{\odot}$)
- Erfanianfar+19
- + DeMaio+18
(< 50 kpc)
- ✦ Kravtsov+18
(< 50 kpc)
- ★ Chiu+16
- ◇ Zhang+16
- van der Burg+14
- ▼ Gonzalez+13
($0.47 \times M_{*,\text{BCG}}$)
- Lidman+12

vs. simulations (incl. abundance matching)



- Cui+22
(The 300 simulation;
 < 50 kpc)
- ★ eRASS1 (this work)
- - Girelli+20
(at $M_{500c} = 1.40 \times 10^{14} M_{\odot}$)
- Pillepich+18
(IllustrisTNG;
 < 30 kpc)
- Behroozi+13
(at $M_{500c} = 1.40 \times 10^{14} M_{\odot}$)
- Moster+13
(at $M_{500c} = 1.40 \times 10^{14} M_{\odot}$)