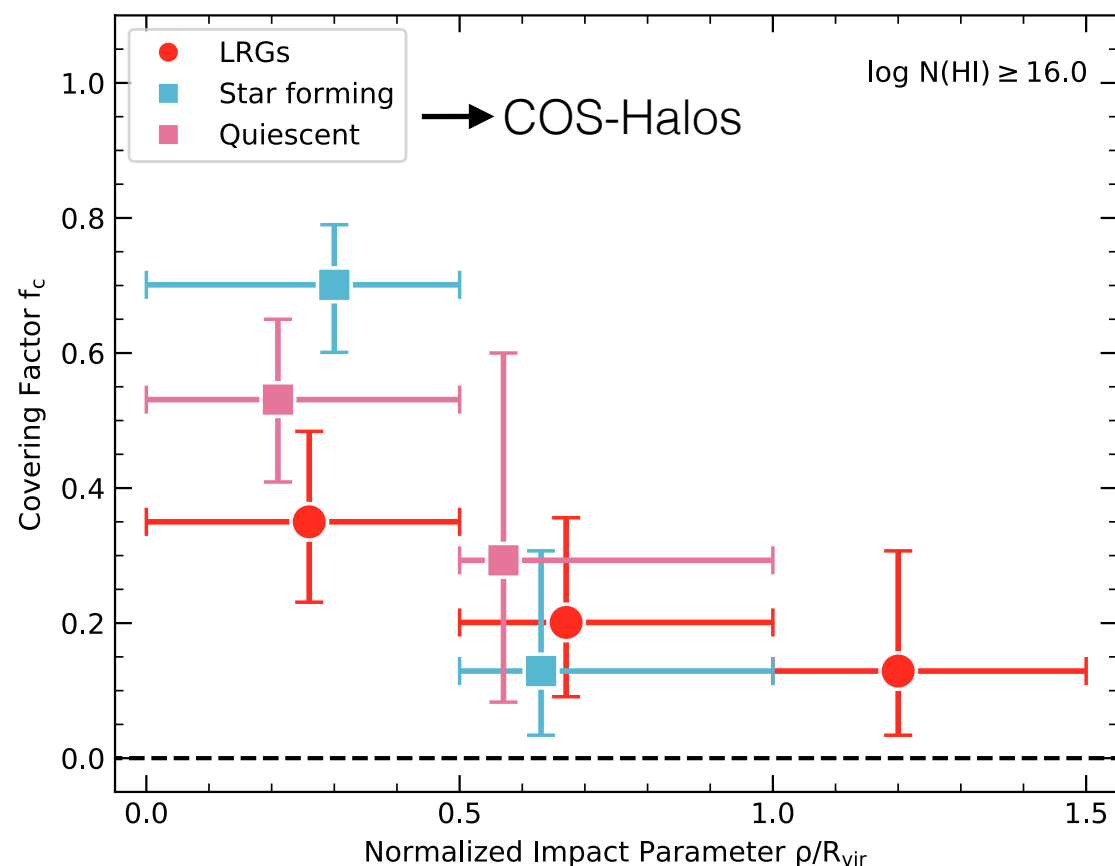
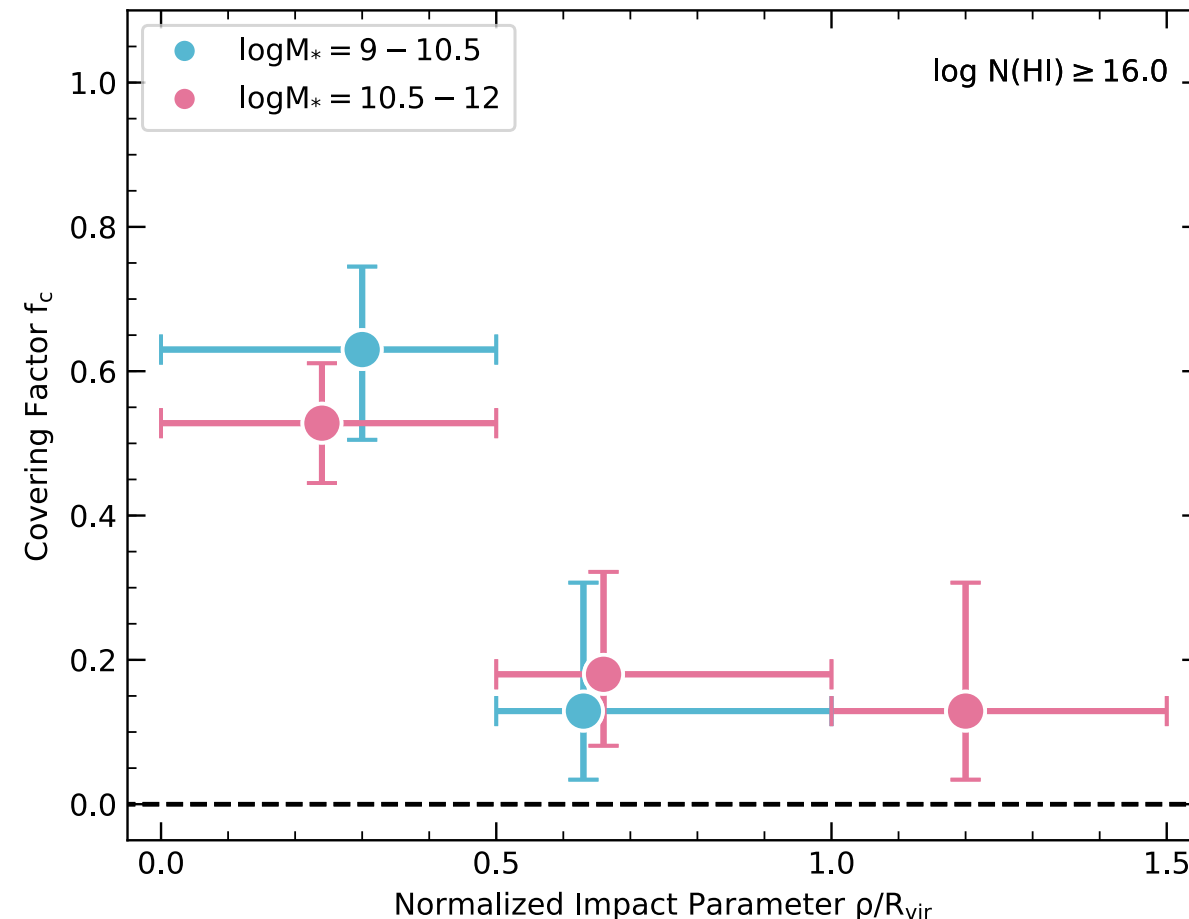


The Cool Gas Reservoir in the Halos of LRGs

Prochaska et al. 2017



- 23 QSO sightlines within 500 kpc of an LRG with HST UV spectroscopy
- LOWZ and CMASS samples
- $z \sim 0.5$ and $\log M_{\star} \sim 11.4$



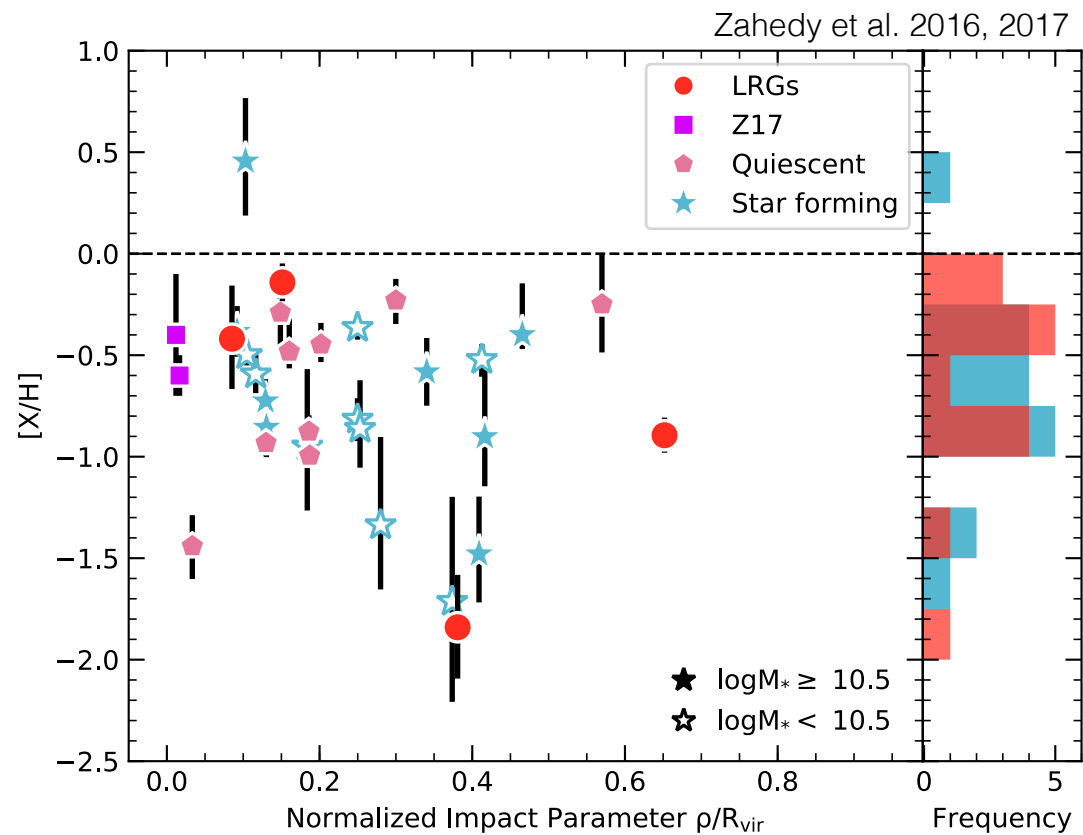
Key Goal:
Determine the HI content and metallicity
of gas in the halos of LRGs

Michelle Berg

Chris Howk, Nicolas Lehner,

Chris Wotta, John O'Meara, Joe Burchett, et al.

Absorber Metallicity



4 pLLSs/LLSs:
3 metal-rich ($[X/H] > -1$) and
1 metal-poor ($[X/H] = -1.84$)

Do massive galaxies harbor
metal-poor gas?

