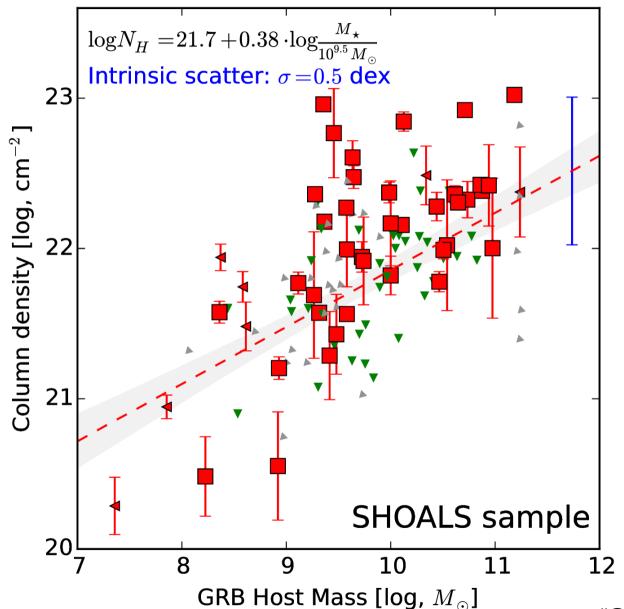
Separating the nuclear and galaxy-scale obscuration in AGN

Keywords: AGN, GRB, Gas in galaxies

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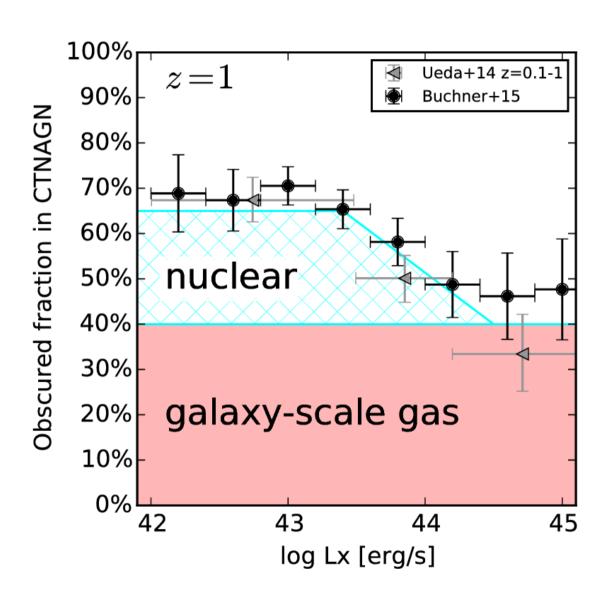
GRBs x-ray host galaxies



- Unbiased Sample (SHOALS)
- Redshift complete
- Spitzer masses
- N_H~M^{1/3}
- Redshift-indep.

"Galaxy gas as obscurer: I. "
Buchner, Schulze & Bauer (submitted)

Host obscuration of AGN



- Re-weight by AGN mass distribution
- Host obscured fraction:
 - ~40% Compton-thin
 - 0% Compton-thick
- New Torus model
 - $f_{cov}(L_X, z, MBH)$

"Galaxy gas as obscurer: II. Separating the galaxy-scale and nuclear obscurers of Active Galactic Nuclei" Buchner, Schulze & Bauer (submitted)