

The CGM at z < 0.1

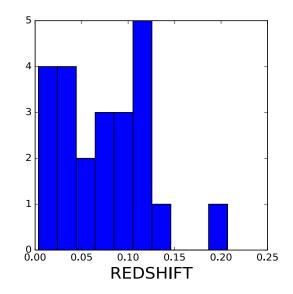
Ben Rosenwasser Bart Wakker Tae Sun Kim University of Wisconsin-Madison

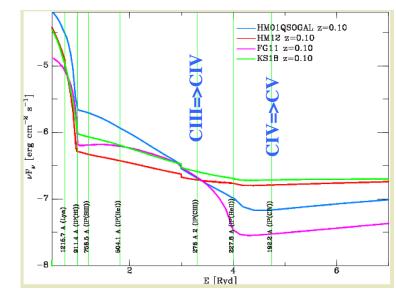
24 systems from the COS/FUSE/STIS archive

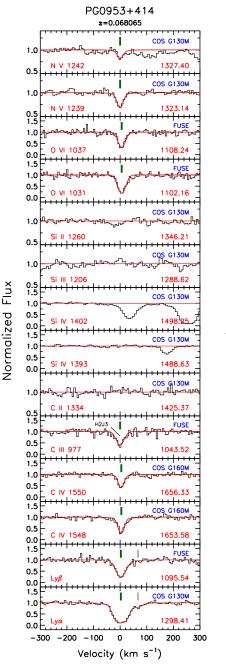
Selected with optically thin CIII

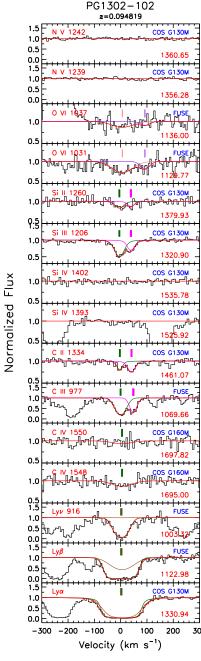
GOALS: 1. Ionization conditions

2. Differences in published UVBs





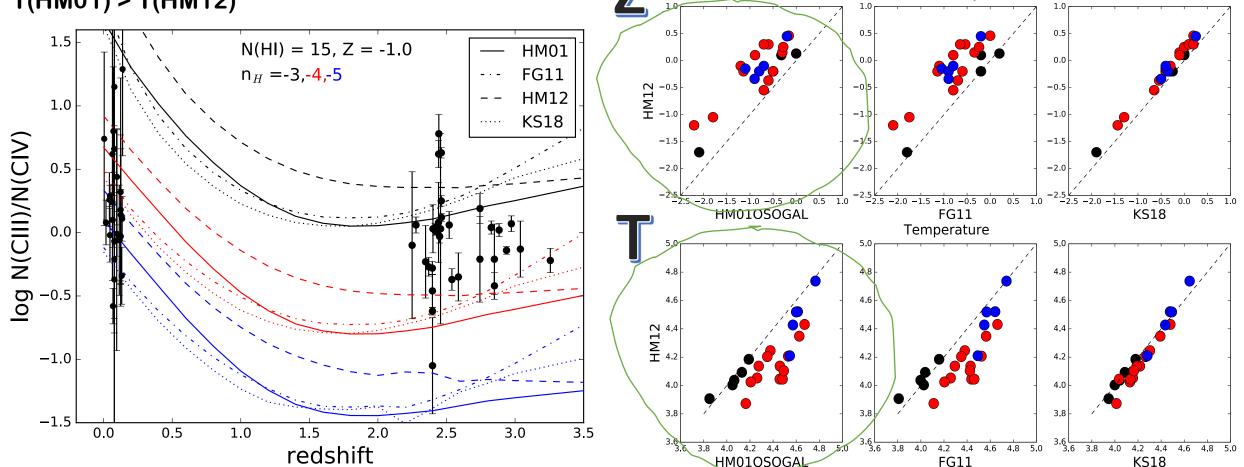




Some Results

-Minimal evolution in N(CIII)/N(CIV) -> global CGM conditions evolving

-Khaire&Srianand+18~HM12 Faucher-Giguère+11~HM01 T(HM01) > T(HM12)



-2.5

-3.0

_4 5

-5.0

-5.

-6.0 - 5.5 - 5.0 - 4.5 - 4.0 - 3.5 - 3.0 - 2.5 - 2.0

HM01OSOGAL

21ΜH

Density

6.5-6.0-5.5-5.0-4.5-4.0-3.5-3.0-2.5-2.0

FG11

Metallicity

-2.5

-3.0

-3.5

-4.0

-4.5

-5.0

-5.5

-4.5-4.0-3.5-3.0-2.5-2.0

KS18

-2.5

-3.0

-3.5

-4.0

-4.5

-5.0

-5.5