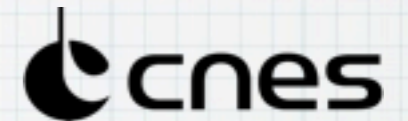


# Probing Gas Flows Around Galaxies With Metals

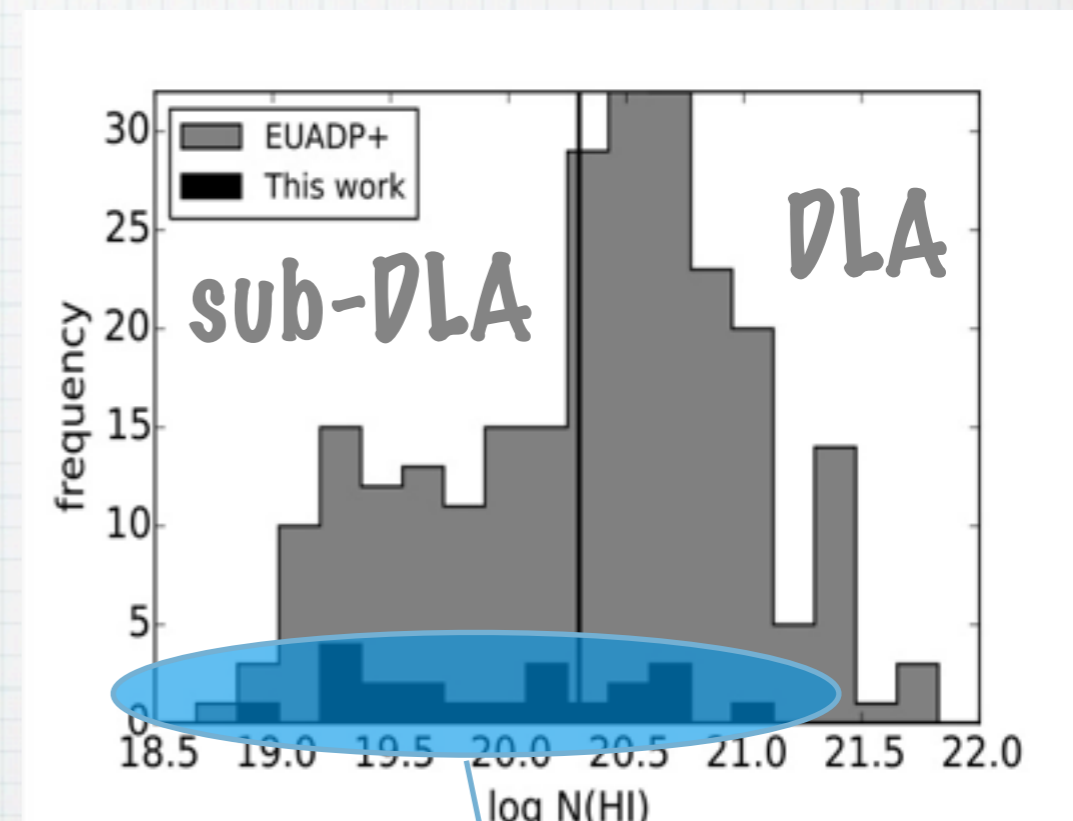
Samuel Quiret

C. Péroux, T. Zafar, V. P. Kulkarni, E. B. Jenkins, B. Milliard  
H. Rahmani, A. Popping, S. M. Rao, D. A. Turnshek and E. M. Monier



250 UVES/VLT quasar spectra

High resolution --> **sub-DLAs**  
( $R=42000$ )



Quiret et al. (submitted)

Metallicity study

104 sub-DLAs  
137 DLAs

new metallicity measurements



# Hints of bimodality in metallicity distribution of low- $z$ sub-DLAs

sub-DLAs: tracers for the CGM at low redshift?

DIP test rejects unimodal distribution at 82% significance level

