

Talk at Splinter Meeting

Splinter A

OBSERVATIONS OF LYMAN ALPHA BLOBS AROUND HIGH REDSHIFT
QUASARS WITH MUSE

T. Urrutia¹

¹*A. Leibniz Institut für Astrophysik, Potsdam*

With its large field of view, large wavelength coverage, moderate spectral resolution and high sensitivity MUSE is the ideal instrument to detect faint extended emission at high redshift. In this talk, I will talk about the serendipitous discovery of large ($\sim 100\text{kpc}$) extended Lyman α emission around luminous quasars in the Chandra Deep Field South and other fields. With MUSE it is now possible to construct velocity and dispersion maps of the blobs and to test different ionization parameters. The illumination of this material in Lyman α by the quasars will further aid us to study the cosmic web at high redshift as well as test various quasar feedback scenarios.