
Quantifying the Azimuthal Angle Distribution of Metallicity in the CGM

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Abstract

Gas phase metallicity derived from absorption profiles may hold a unique key into the origins of the CGM. Here, we modelled the metallicity of ~ 40 absorption systems associated with isolated galaxies that have quantified morphologies obtained from HST imaging. We present the latest results showing the spatial distribution of metals around galaxies at $z \sim 0.3$ and address if the combination of spatial location and metallicity can be used to distinguish between gas accretion and outflows.

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