









Erratum: MUSEQuBES: Calibrating the redshifts of Ly α emitters using stacked circumgalactic medium absorption profiles

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Key words: errata, addenda – galaxies: haloes – galaxies: high-redshift – quasar: absorption lines.

This is an erratum to the paper ‘MUSEQuBES: Calibrating the redshifts of Ly α emitters using stacked circumgalactic medium absorption profiles’ that was published in MNRAS, 496, 1013–1022, 2020 (Muzahid et al. 2020). In the published paper, a previous version of Fig. 2 has been uploaded mistakenly by the publishing house. Here we present the correct version of Fig. 2. This does not have any impact on the results presented in the paper.

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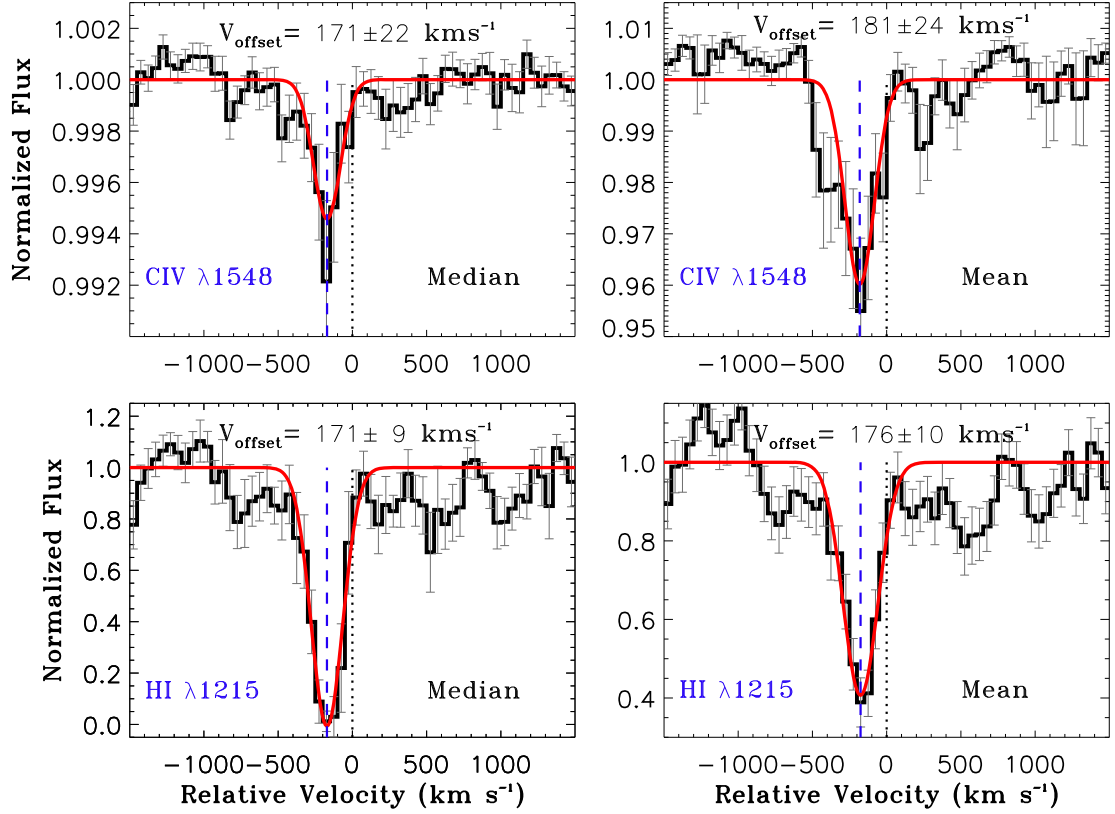


Figure 2. Median (left) and mean (right) stacked CGM absorption profiles of HI $\lambda 1215$ (bottom) and CIV $\lambda 1548$ (top). The zero velocity (V_{peak}) is defined by z_{peak} , the redshift of peak Ly α emission. The profiles are normalized to the pseudo-continuum estimated far away from zero velocity. The 1σ errors are calculated from 1000 bootstrap realizations of the LAE sample. The best-fitting Gaussian profiles are shown by the smooth red curves. The centroids of the Gaussians (V_{CGM}), marked by the blue vertical dashed lines, provide the velocity offset, $V_{\text{offset}} \equiv (V_{\text{peak}} - V_{\text{CGM}})$. V_{offset} measured for the different stacked profiles are indicated in the corresponding panels. The weighted average of the V_{offset} values is $171 \pm 8 \text{ km s}^{-1}$ ($177 \pm 9 \text{ km s}^{-1}$) for the median (mean) stacked profiles.

REFERENCES

Muzahid S. et al., 2020, *MNRAS*, 496, 1013

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