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Stellar Masses of Star Forming Galaxies in Cluster

We carry out a chi-square fitting of Spectral Energy Distributions (SEDs) for a set of 25 star forming galaxies in the X-ray luminous cluster MS 0451.6-0305 at z=0.54. We determine the best-fit parameters to get clues on stellar populations and physical properties of these galaxies. It shows that derived stellar masses are in good agreement with previous estimates from the literature. However, further analysis is needed, including using different stellar population models, to refine the uncertainties in the stellar mass estimate.

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