

Lyman-break galaxies in the Epoch of Reionization

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Abstract

I will present a selection of robust Lyman-break galaxy candidates at redshifts $z \sim 6 - 10$, within the Epoch of Reionization, based on data from WFC3 on HST, the recent XDF data release and the CANDELS programme in particular. This sample shows significant and rapid evolution of the galaxies' properties and of their luminosity function with redshift. The star formation history in this time frame and its implications for reionization will also be discussed.