Lyman Break Galaxies in the Chandra Deep Field South

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The Lyman-break technique provides an effective method to select galaxies at high redshift from imaging data. Still, very deep images are needed, especially in the band used to provide the non-detection information (drop-out). We used the ESO archive and our CCD mosaic reduction pipeline to produce extremely deep images in the U, B, V, and R band of the Chandra Deep Field South (ESO Press Photos 02a-d/03, 2003), which we used to select U- and B-band dropouts. ACS-data from GOODS and GEMS give insight to LBG morphologies. The technique will be applied to the ESO-Deep-Public-Survey giving the largest LBG sample at z ~ 3 to date.

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