

**Lyman Break Galaxies in the VLT/FORS2 spectroscopic campaign in
the GOODS-S field**

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Abstract

New results from the VLT/FORS2 spectroscopic survey in the GOODS-S field of a sample of Lyman Break Galaxies are presented (Vanzella et al. 2006, Vanzella et al. in preparation). About 100 LBGs selected with the dropout technique (Giavalisco et al. 2004b, Dickinson et al. 2004a) have been confirmed to be in the redshift interval $3.5 < z < 6.3$ (34 with $z > 5$ and 27 beyond 5.5). The photometric and spectroscopic properties of B, V and i-dropout galaxies are examined. The sample at redshift beyond 5, where the completeness is higher, will be discussed in more detail: the composite spectra, the SFRs from the Ly α emission line and the UV continuum, hints on the SFHs, the effect of the Ly α line to the photometry, the rest frame Ly α equivalent width and its relation to the UV luminosity.