

Evolution of the brightest and most massive galaxies since z~6

Lidia Tasca & VUDS collaboration

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SFR-M_{*} relation up to z~5



High-M turn-off at z<3.5. → effect of SF quenching in a downsizing pattern

> Quenching processes not fully active at z>3.5

> > Tasca et al. 2015



Progenitors of CMQ at 2<z<5



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Galaxy Merger Rate History since z~3 from spectroscopic pairs



Integrating the GMRH indicates that 60% of the mass of galaxies at z=0 has been assembled by mergers

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sSFR evolution since z~5



The sSFR evolution does not follow a pure accretion driven galaxy mass growth.

Need to combine with merger processes.

Tasca et al. 2015

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Take home message

VUDS is filling a window relatively un-probed with spectroscopy at 2<z<6 ~7500 galaxies with zspec>2

VUDS allows an unbiased and homogeneous study of the high-redshift universe & to look for the inset of quenching

First data release: CANDELS area by Summer 2015

Stay tuned

Thank you for your

attention

