

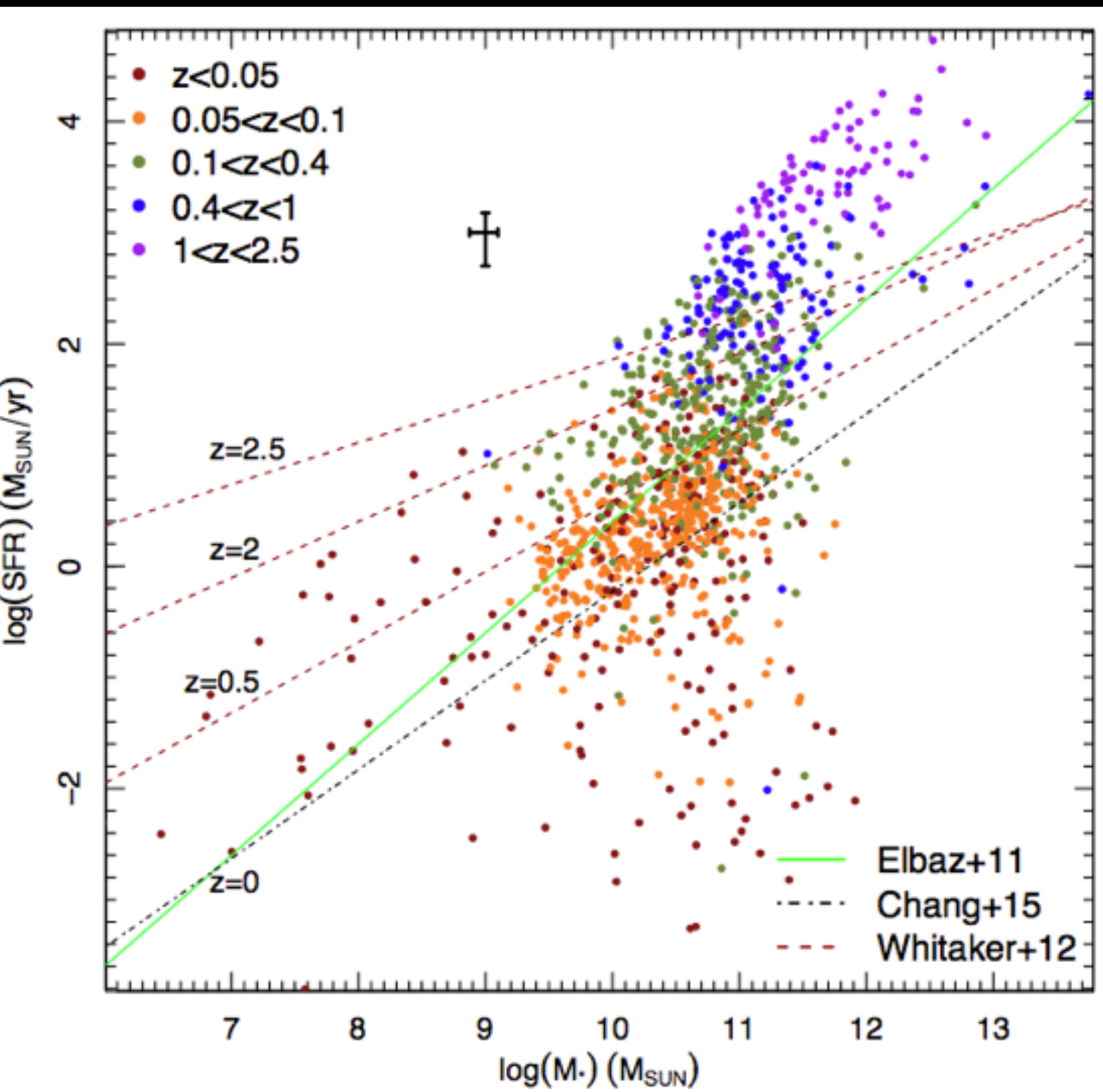


The physical properties of Spitzer/IRS galaxies derived from their UV to 22 μm spectral energy distribution

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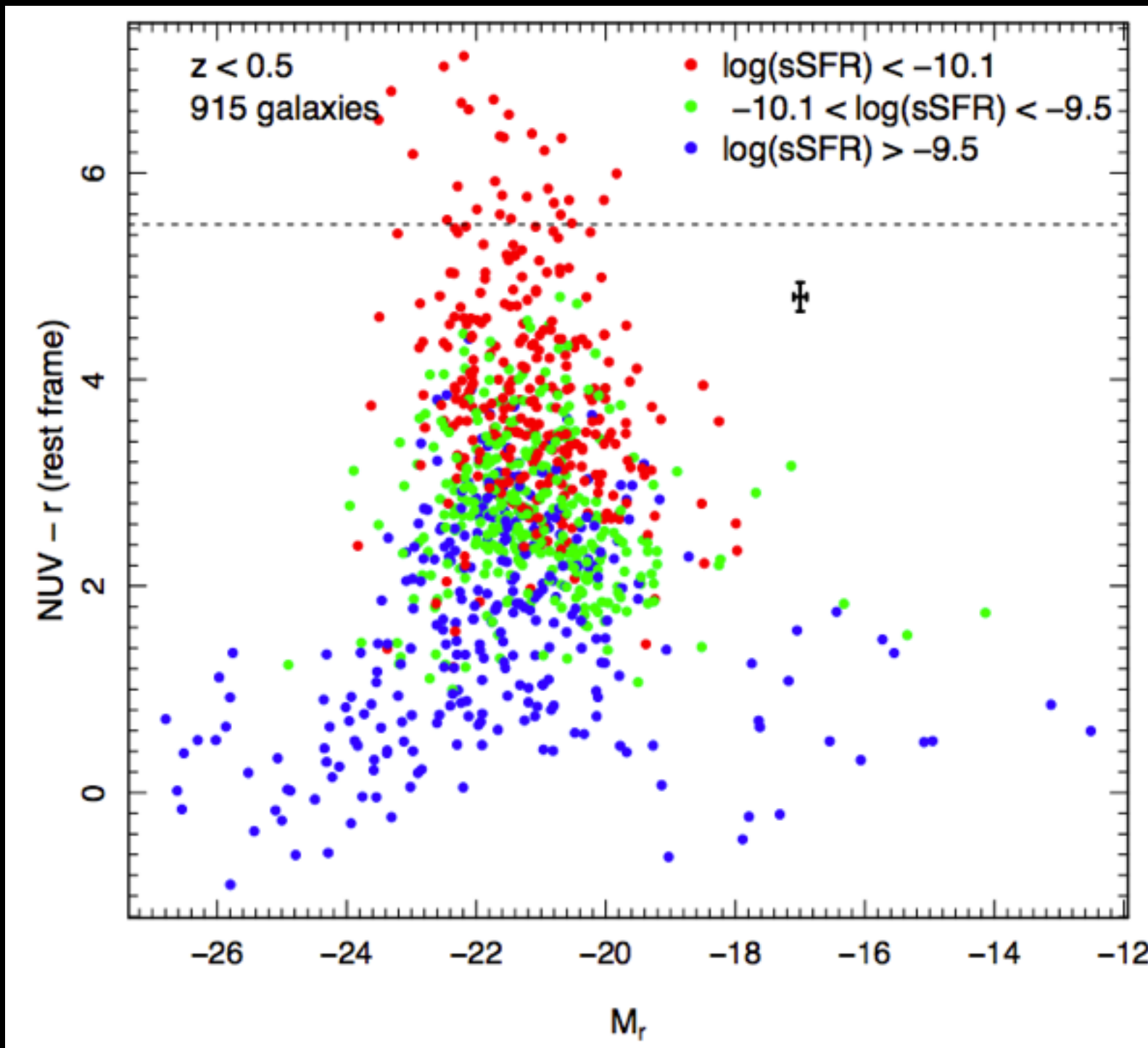
Vika et al. submitted, A&A

Sample Selection



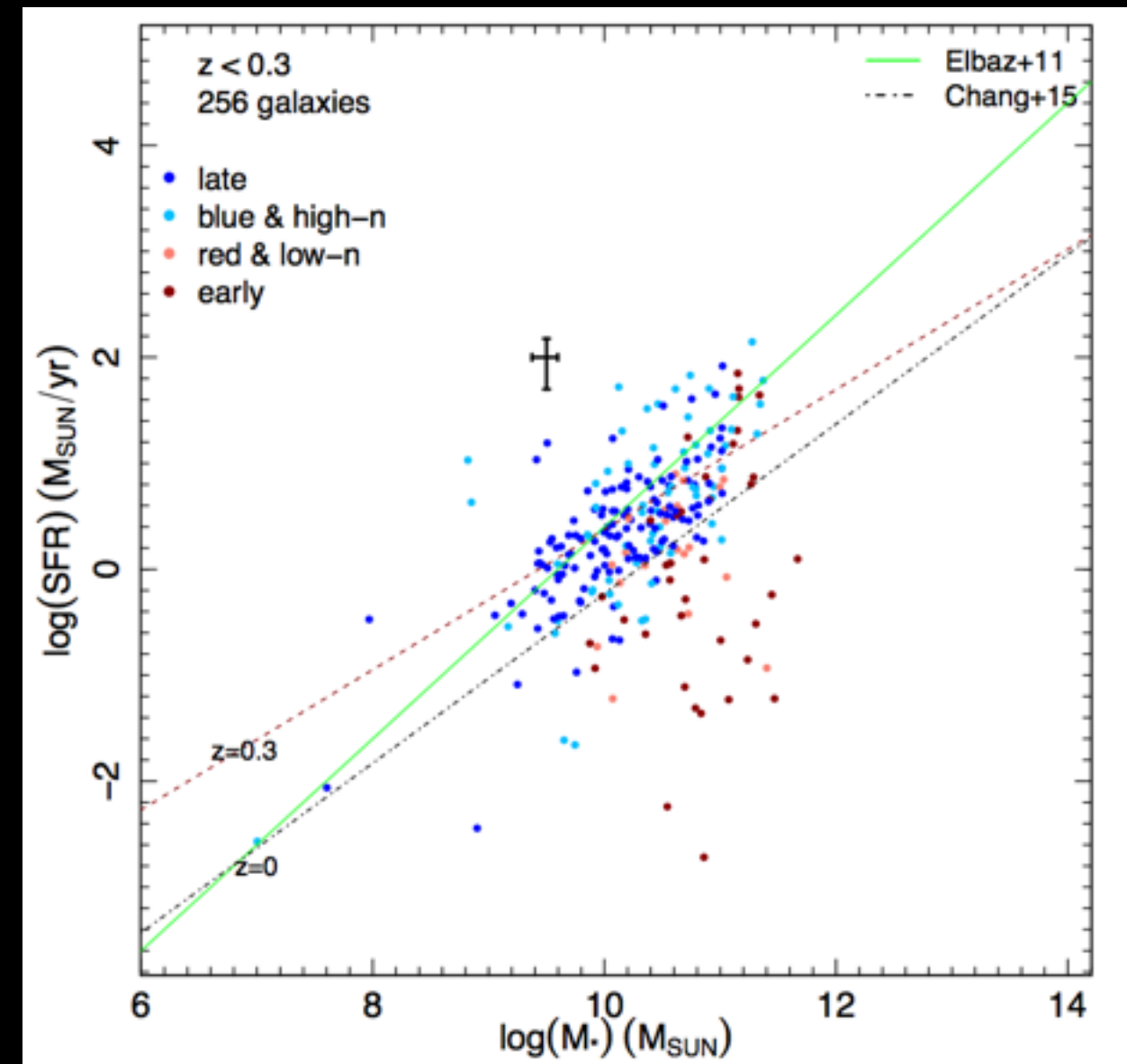
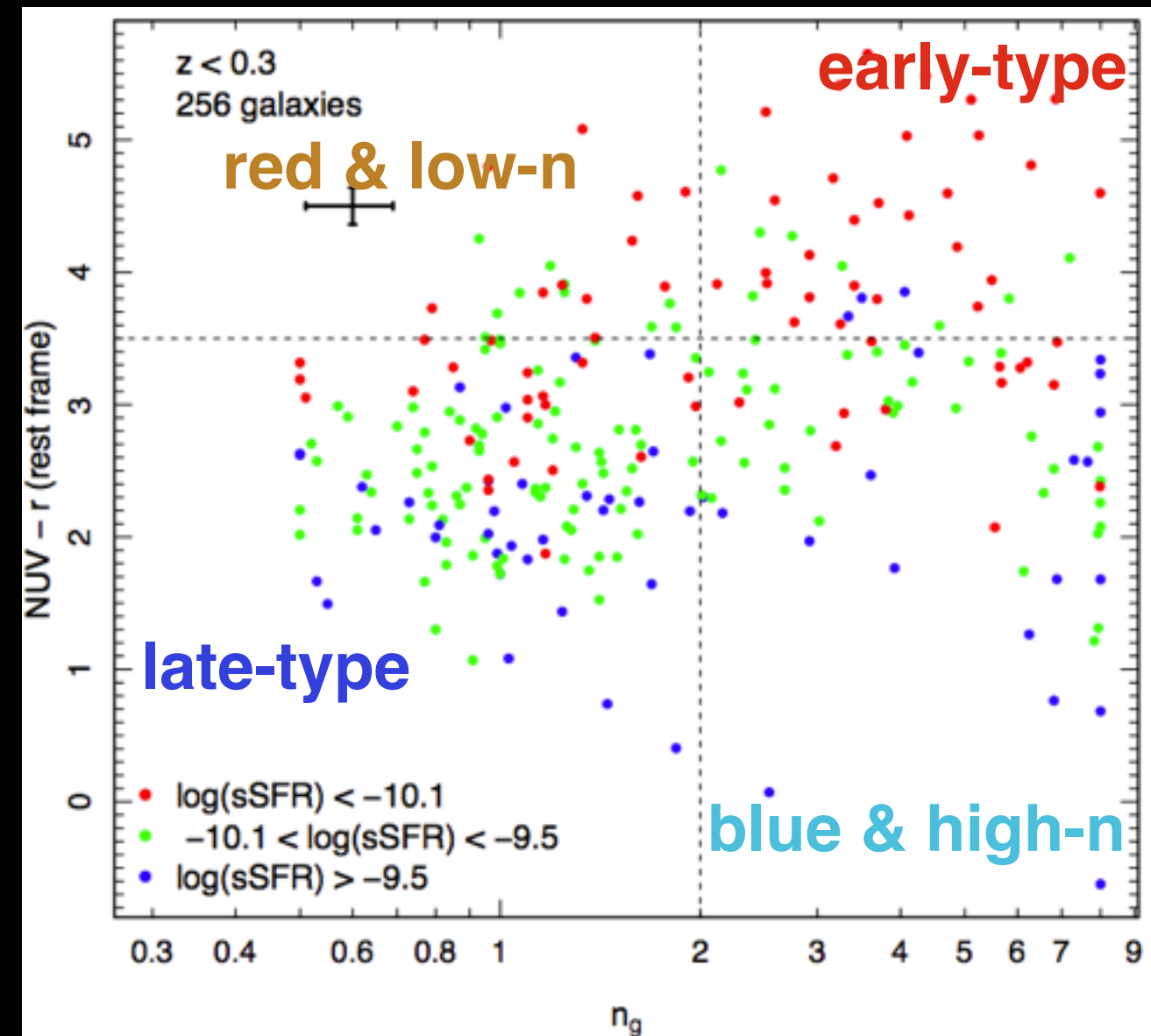
- CASSIS sample includes 6000 extragalactic sources with mid-IR spectra (5.2 - 38.0 μm ; Lebouteiller et al 2011; 2015)
- Create a catalogue of 1146 galaxies with 14 measured photometric flux (FUV - 22 μm), redshift & mid-IR spectra.
- SED modelled with CIGALE (Ciesla et al. 2015).

Exploring the physical properties of CASSIS galaxies



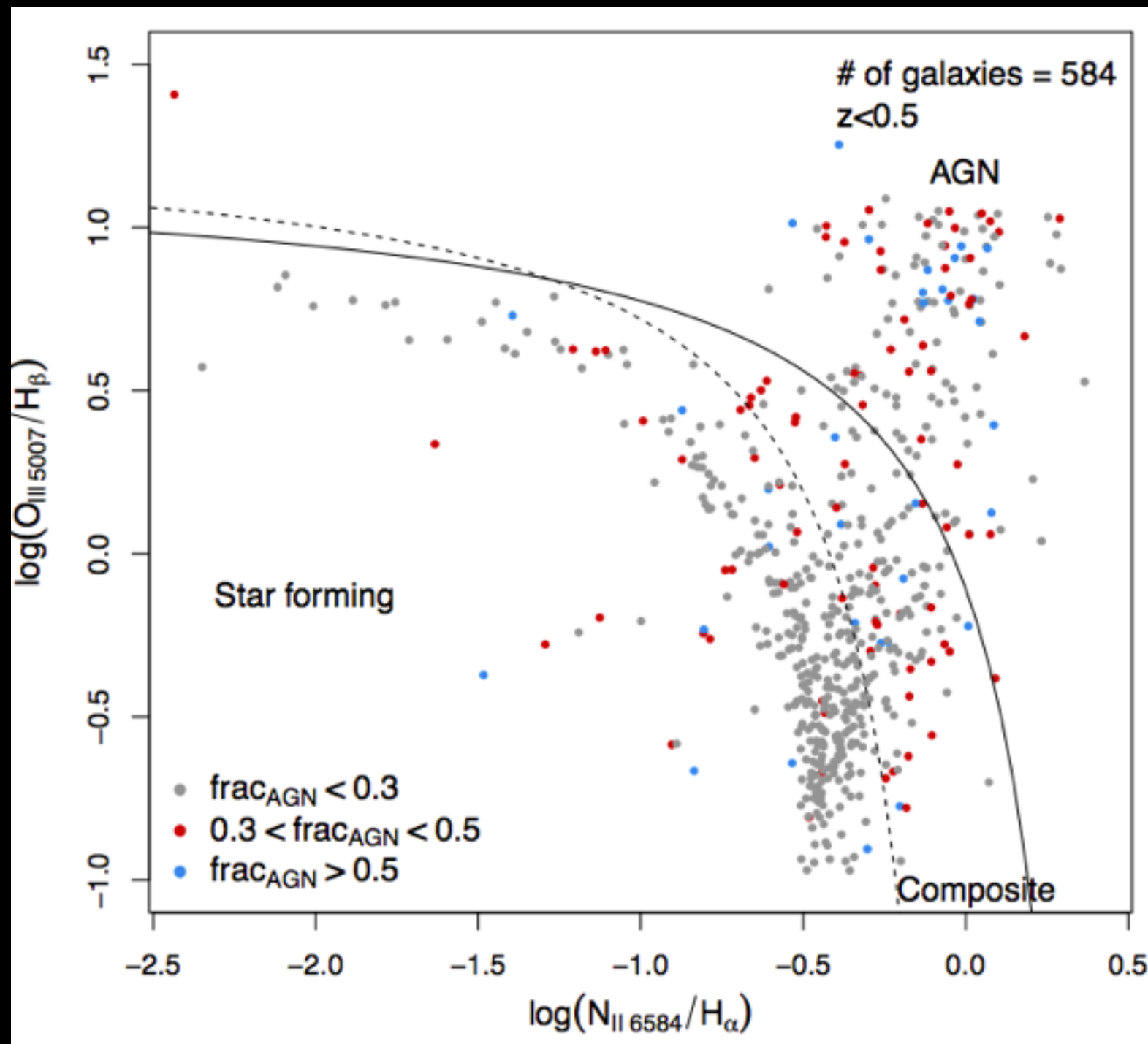
- 97% of the galaxies with redshift smaller than 0.5 have experienced a recent star-formation episode.

Exploring the physical properties of CASSIS galaxies



- early-type galaxies are placed below the main sequence, while late-type galaxies are found on main-sequence as expected.

Exploring the physical properties of CASSIS galaxies



- Download Catalogue from:

[www.marinavika.com/
cassis_vika.ascii](http://www.marinavika.com/cassis_vika.ascii)

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