The GHASP sample in the frame of MASSIV LP

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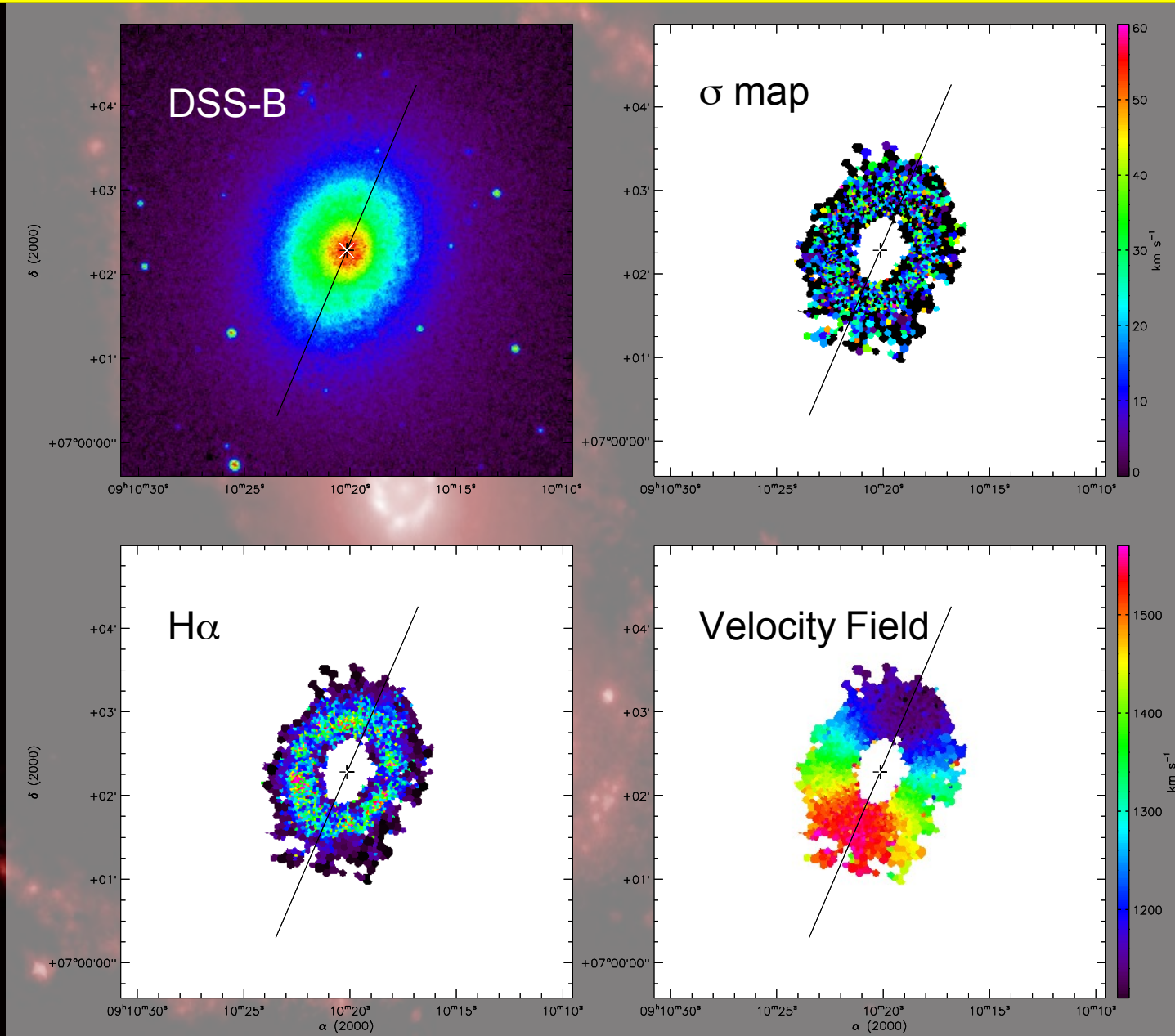
GHASP: a local kinematical sample

GHASP

UGC 4820

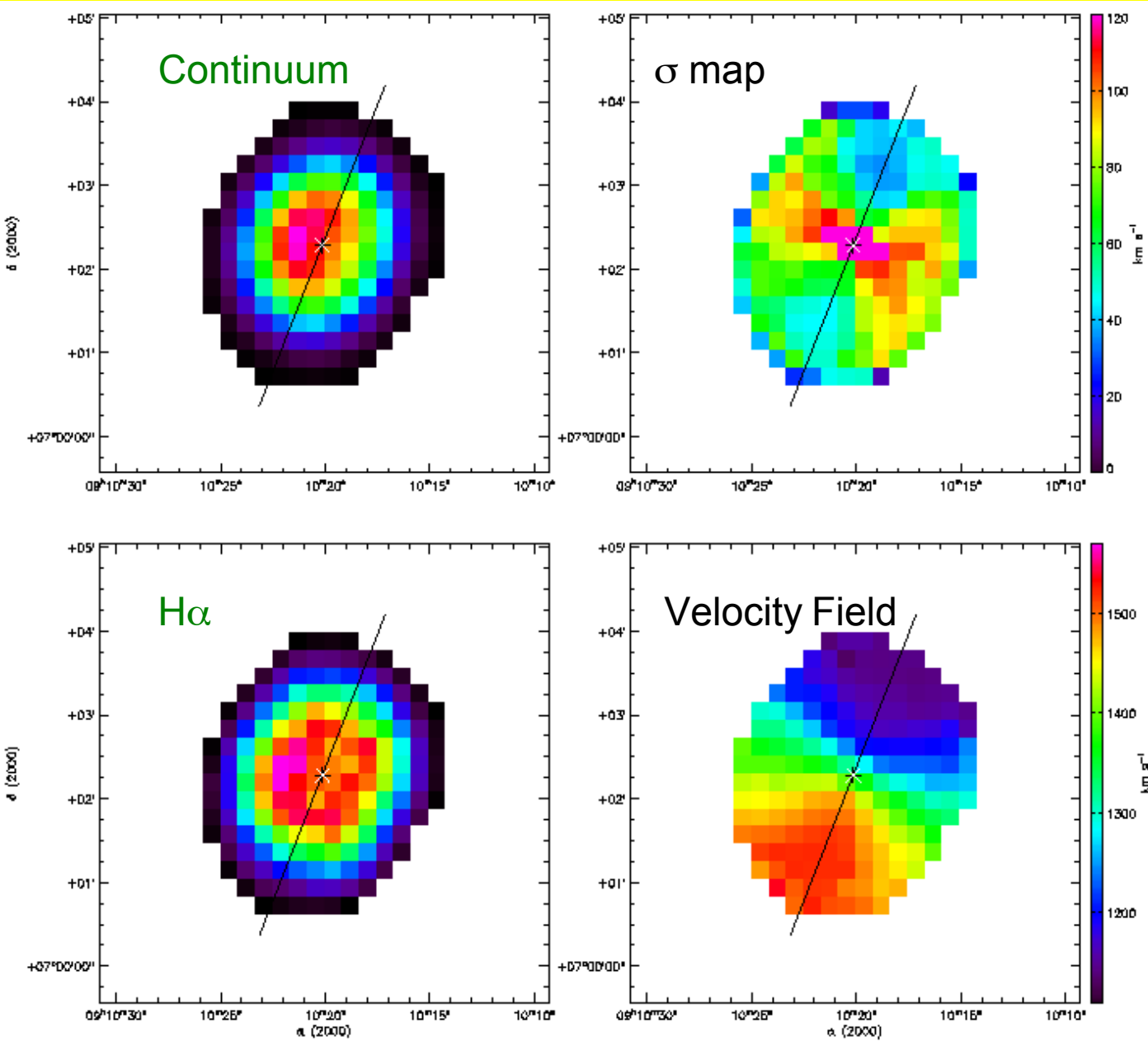
Epinat et al. 2008

S(r)ab



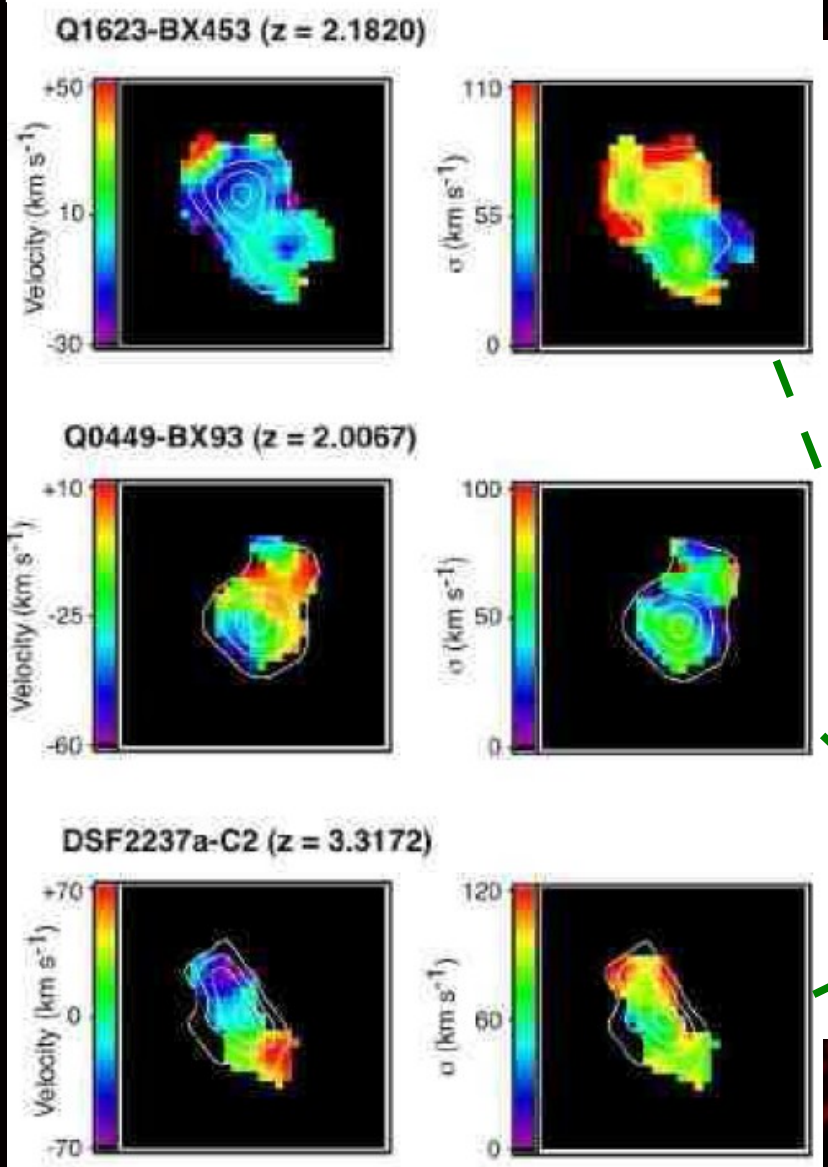
GHASP @ high redshift

GHASP
UGC 4820
S(r)ab
@ z=1.7

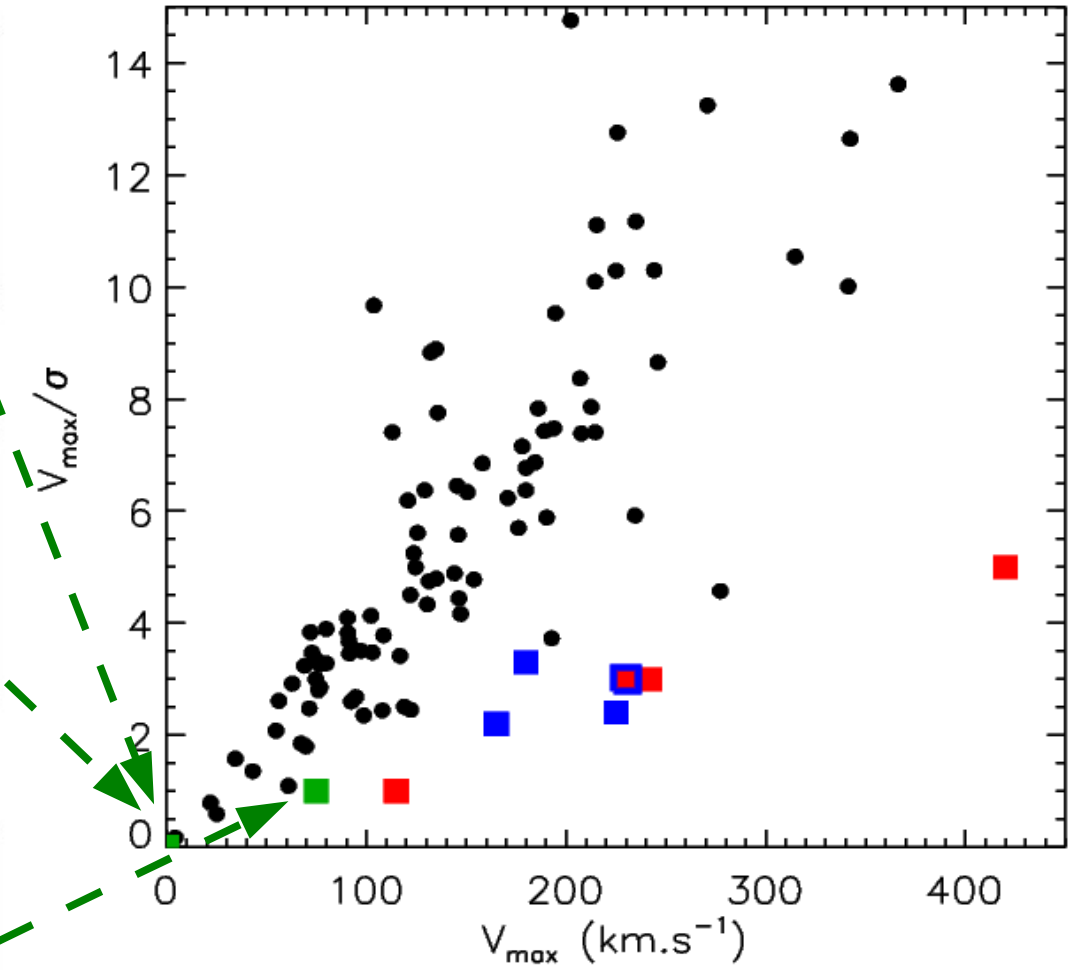


Dynamical support evolution?

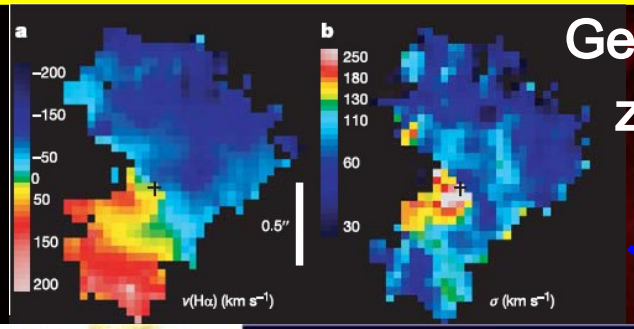
Law et al 2007



z = 1.7



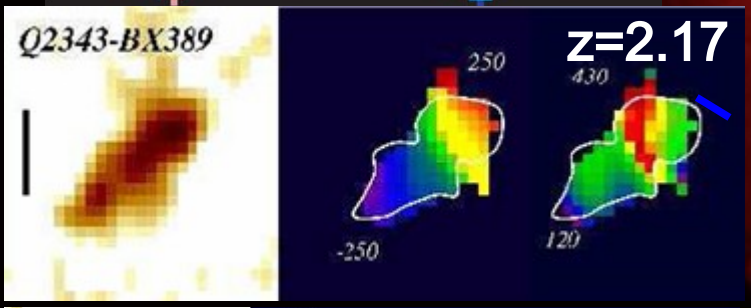
Dynamical support evolution?

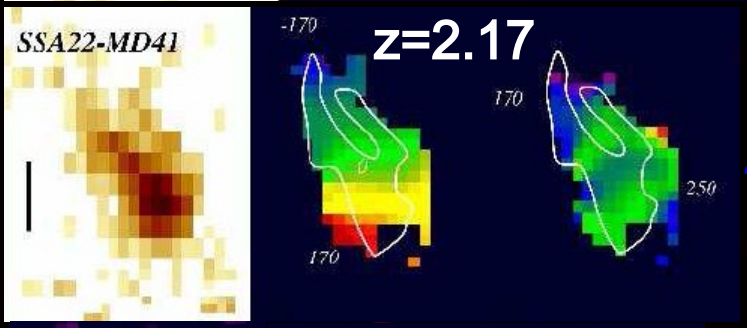


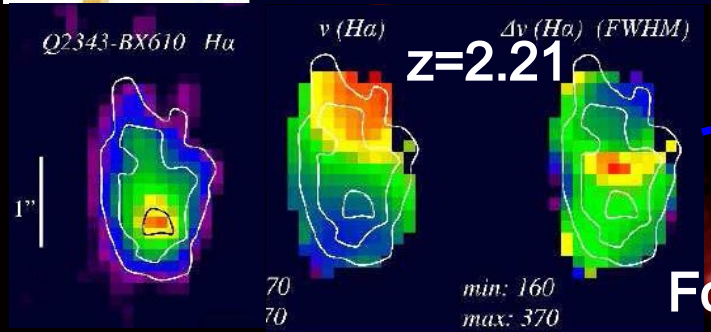
Genzel et al 2006, AO

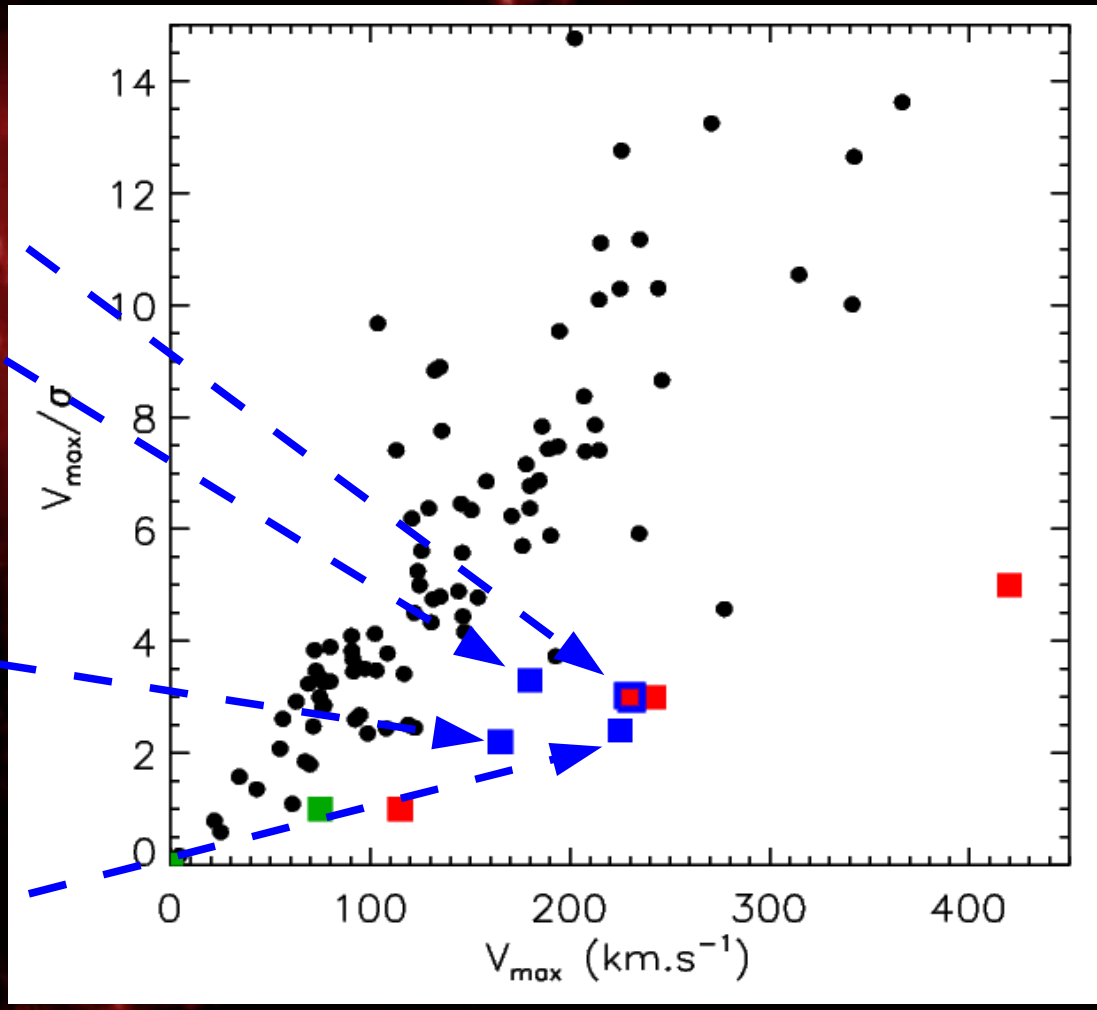
z=2.38

z = 1.7



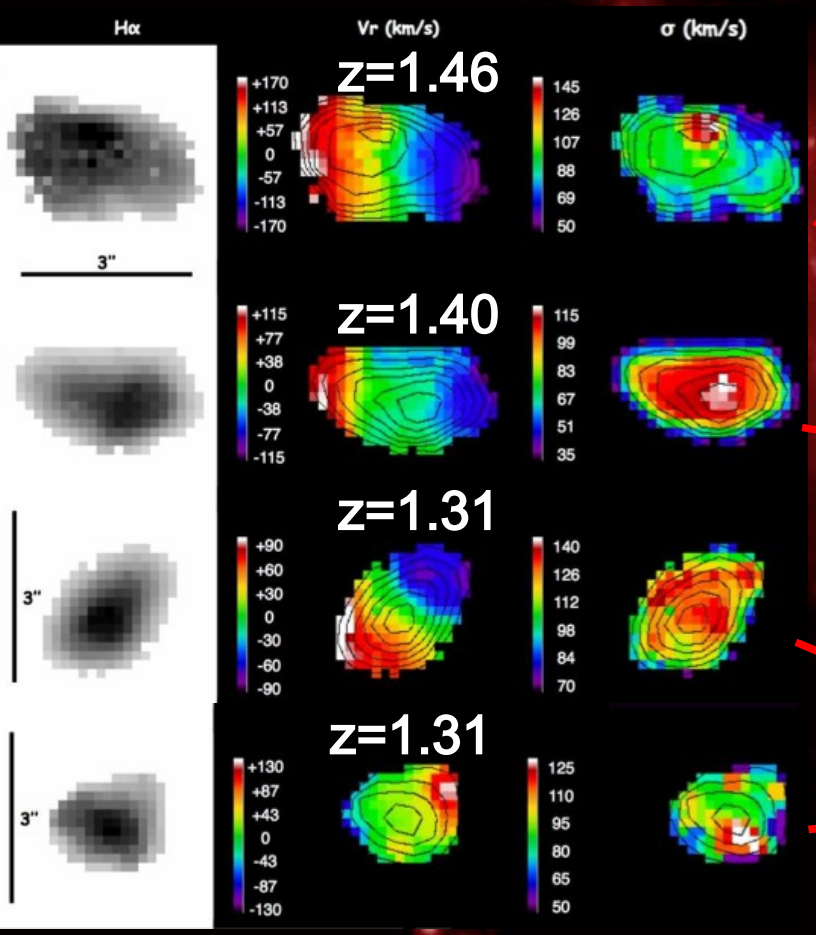




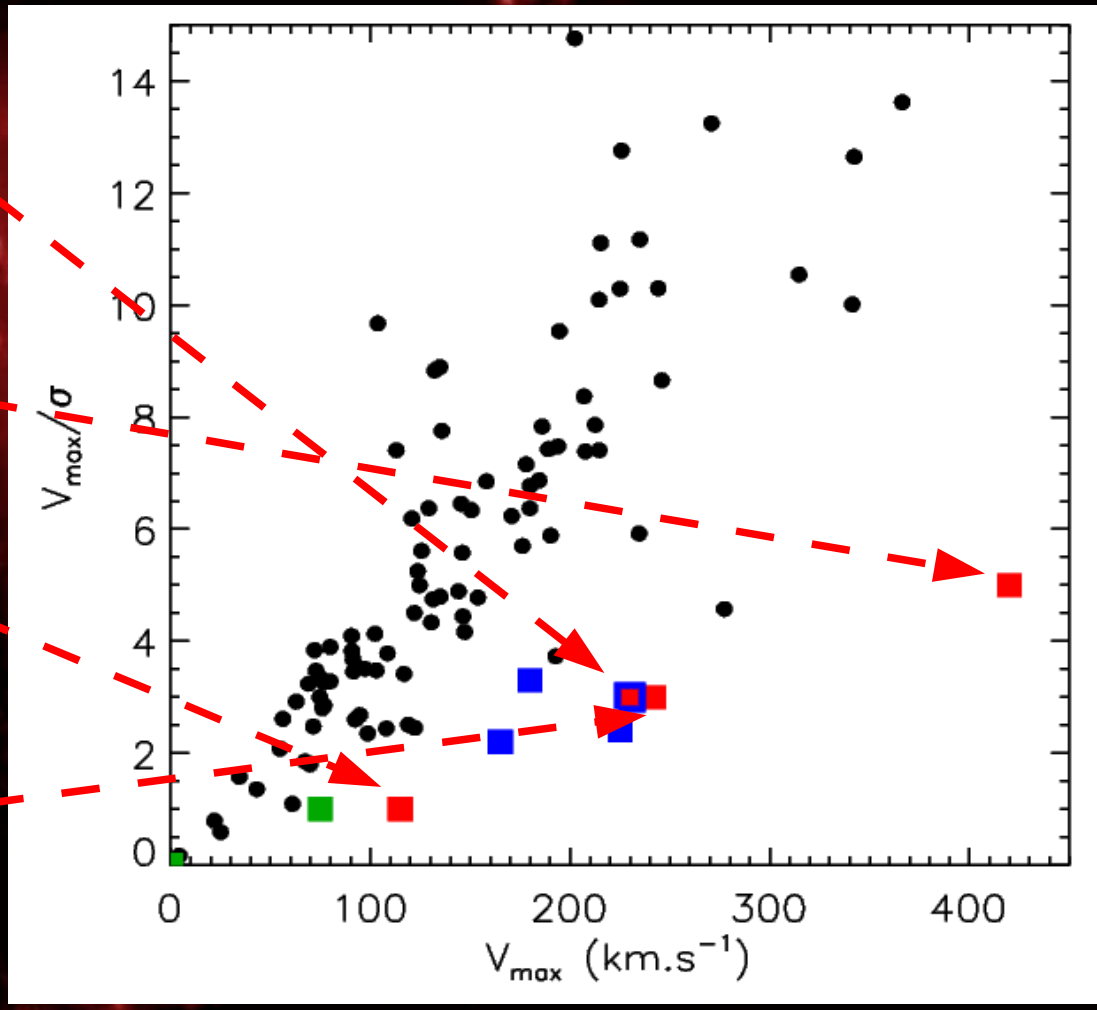


Forster Schreiber et al 2006 – no AO

Dynamical support evolution?



z = 1.7



Lemoine Busserole et al in preparation – no AO, MASSIV pilot run

Conclusion

→ Reference sample has the same biases than observed high z galaxies: disentangle evolution from resolution effects

→ High z galaxies more supported by dispersion than rotation

→ Need for a more complete reference sample including merging, elliptical, group, ...
-> 3D-NTT (www.astro.umontreal.ca/3DNTT) will be a suitable Fabry Perot instrument for that purpose
-> Fabry Perot database: FabryPerot.oamp.fr

→ Need for a high z sample non biased by selection effects: MASSIV LP from VVDS sample

Reference sample: GHASP