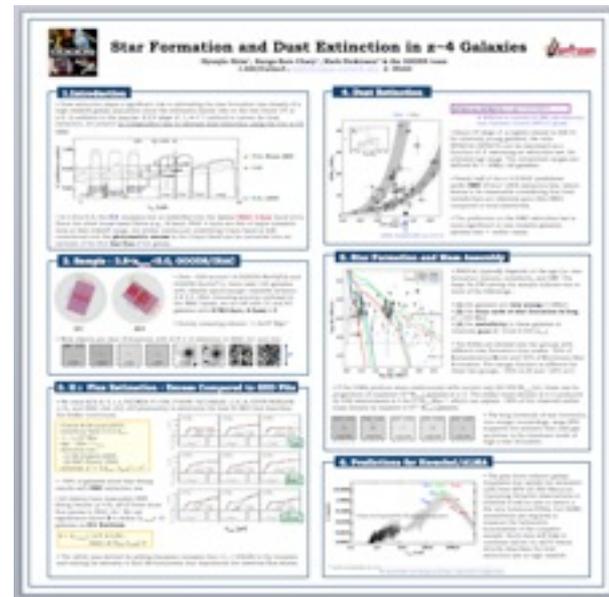
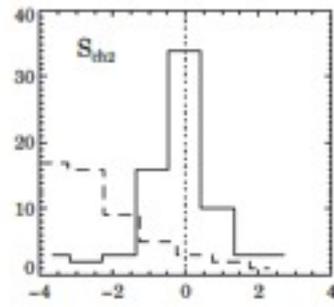
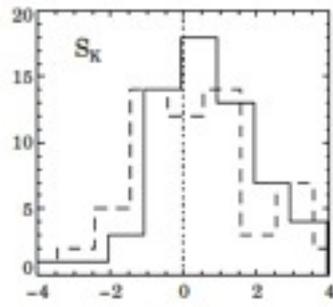
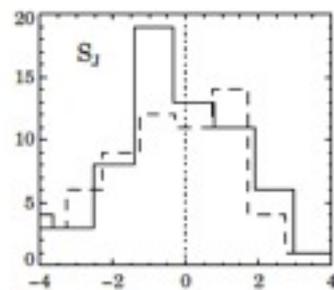
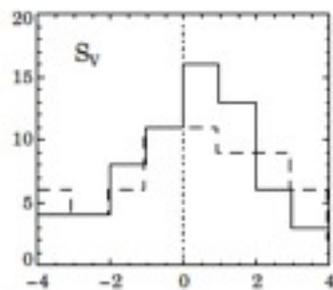
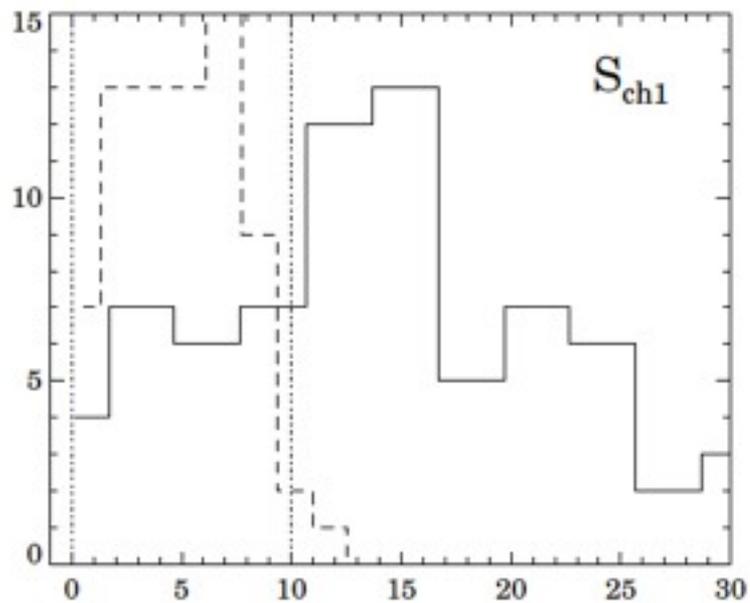
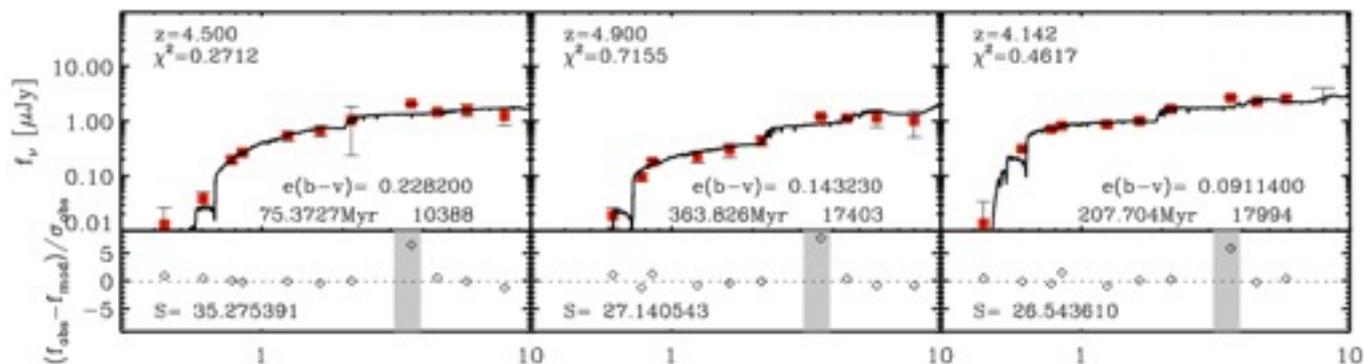
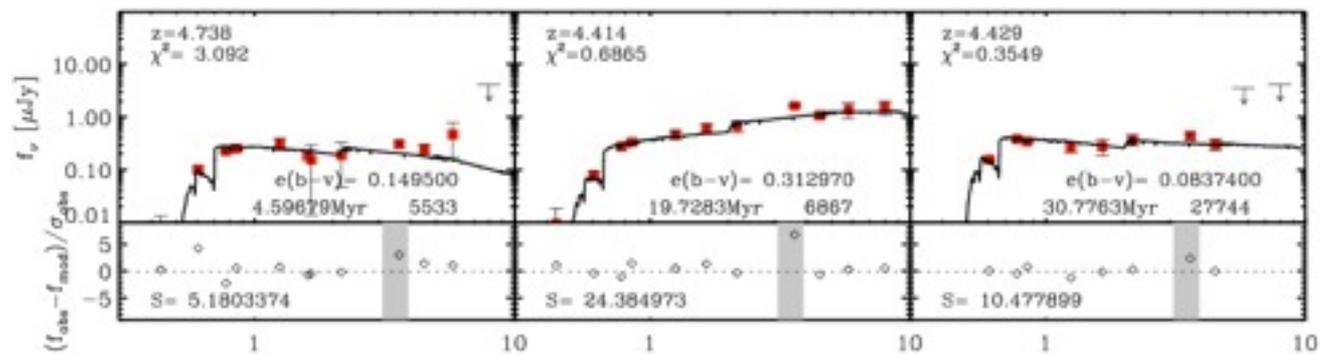


$z = 5.0$
 $z = 3.8$

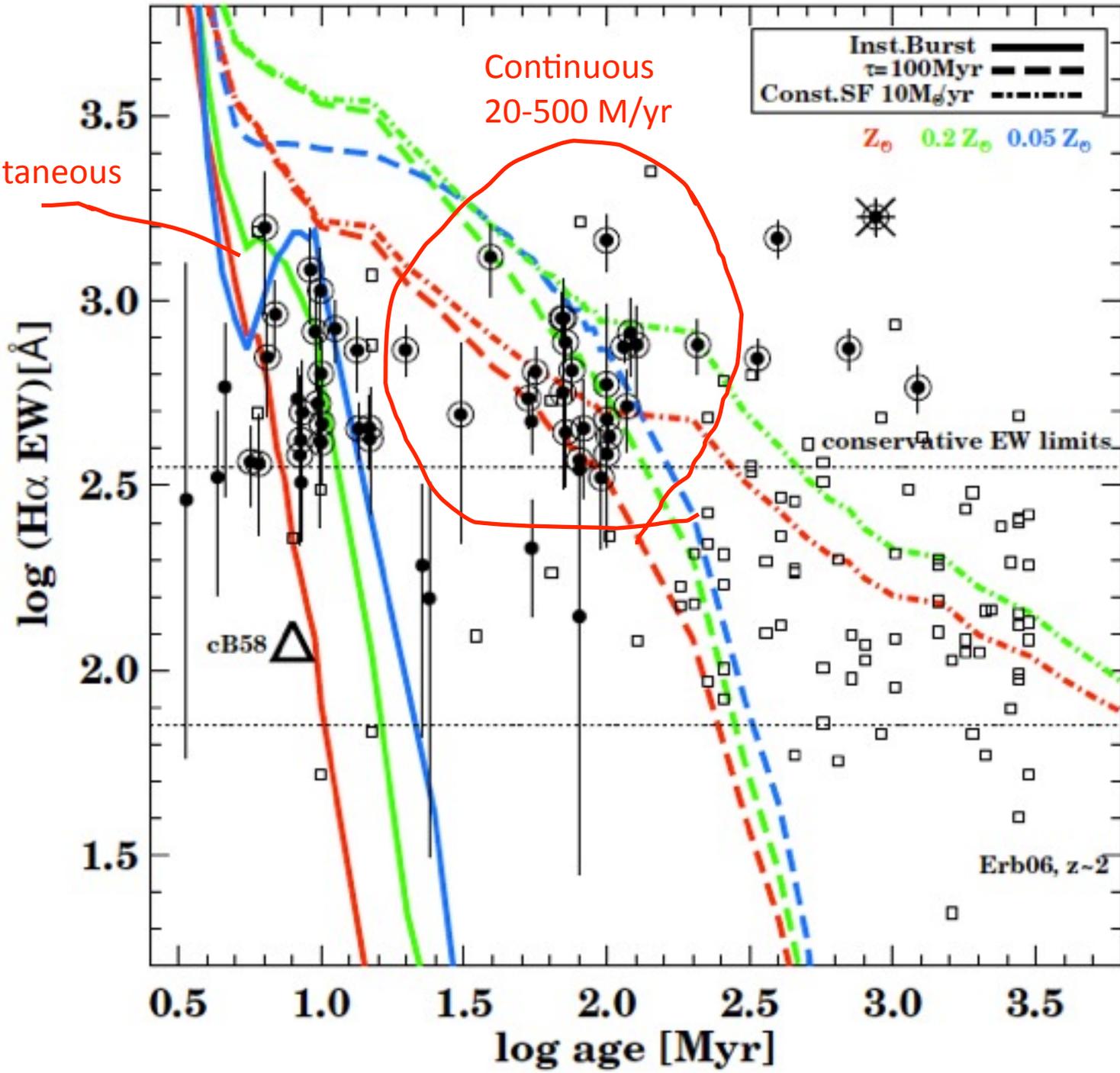
H α Emitters at $3.8 < (\text{spec-}z) < 5.0$; 74 in GOODS

Hyunjin Shim, Ranga-Ram Chary, Mark Dickinson + the GOODS team

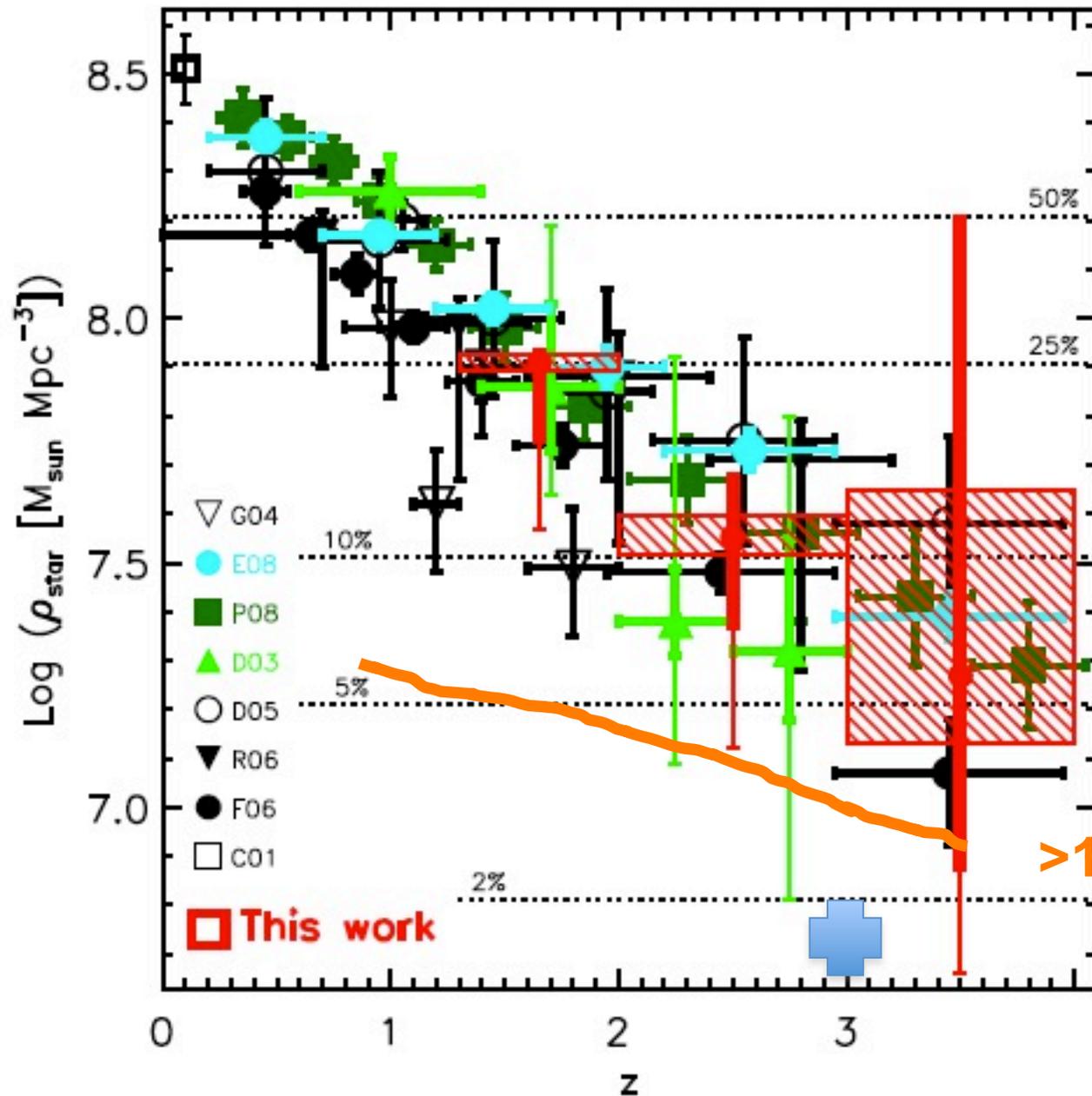




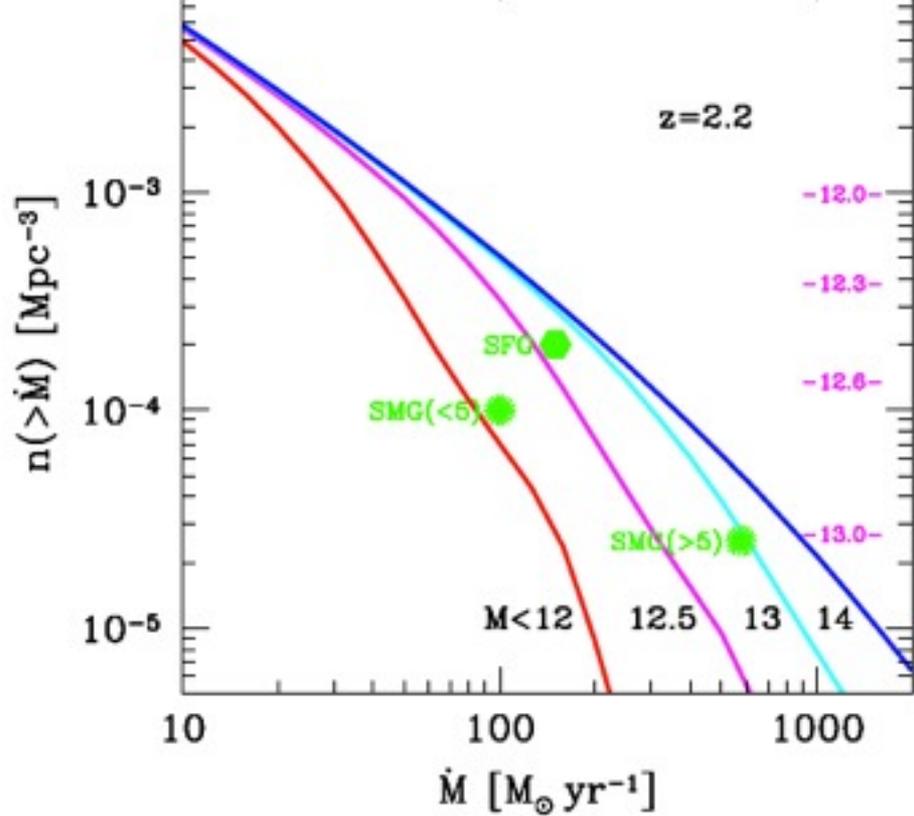
Instantaneous
Burst



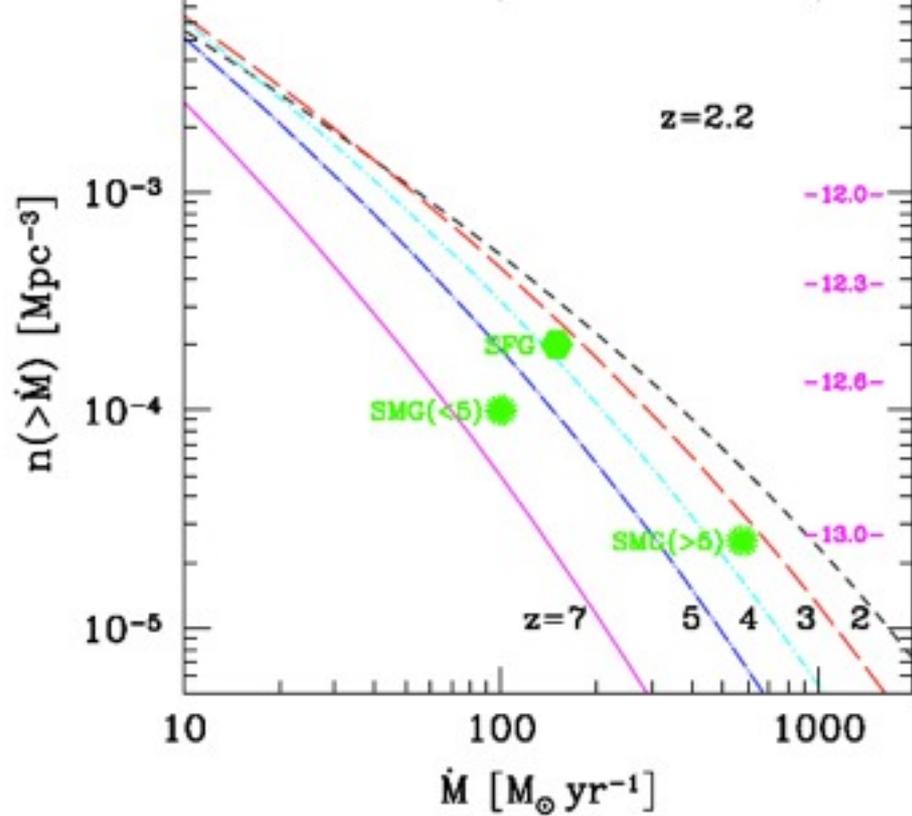
Marchesini et al.
(2009)



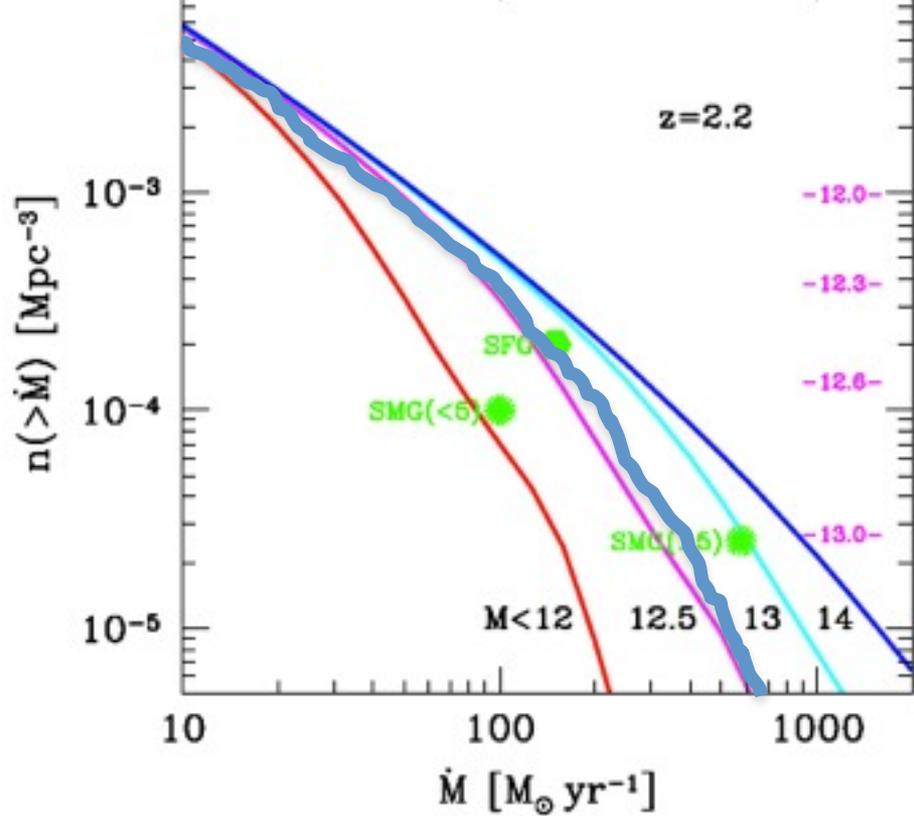
>10¹¹ Msun gal.



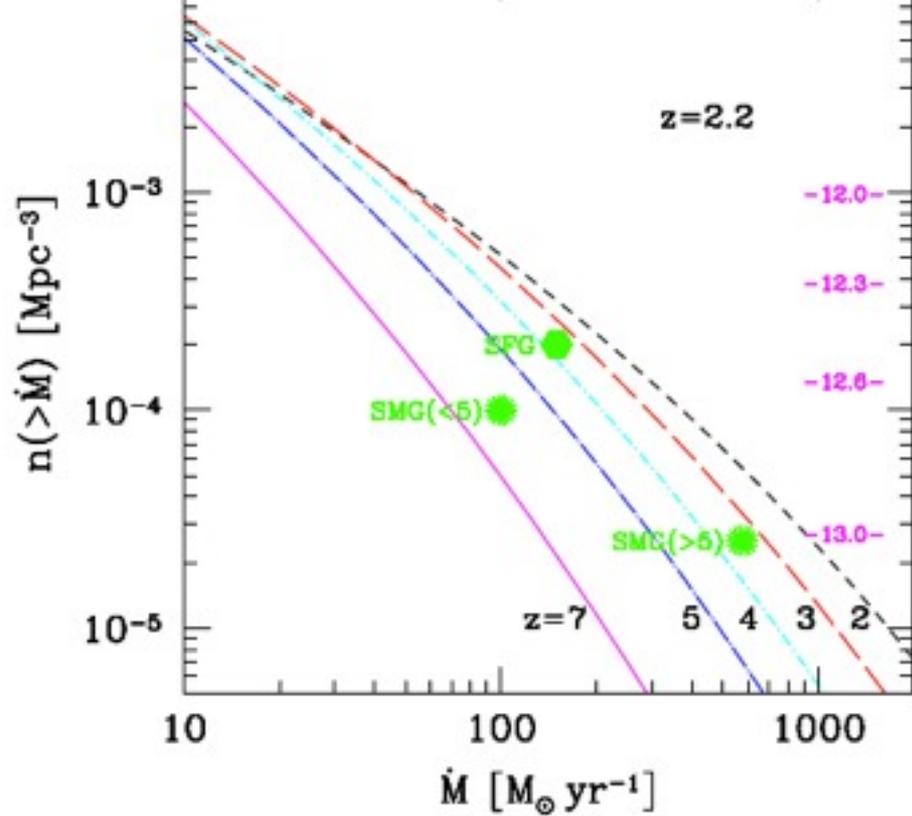
~ SFRs



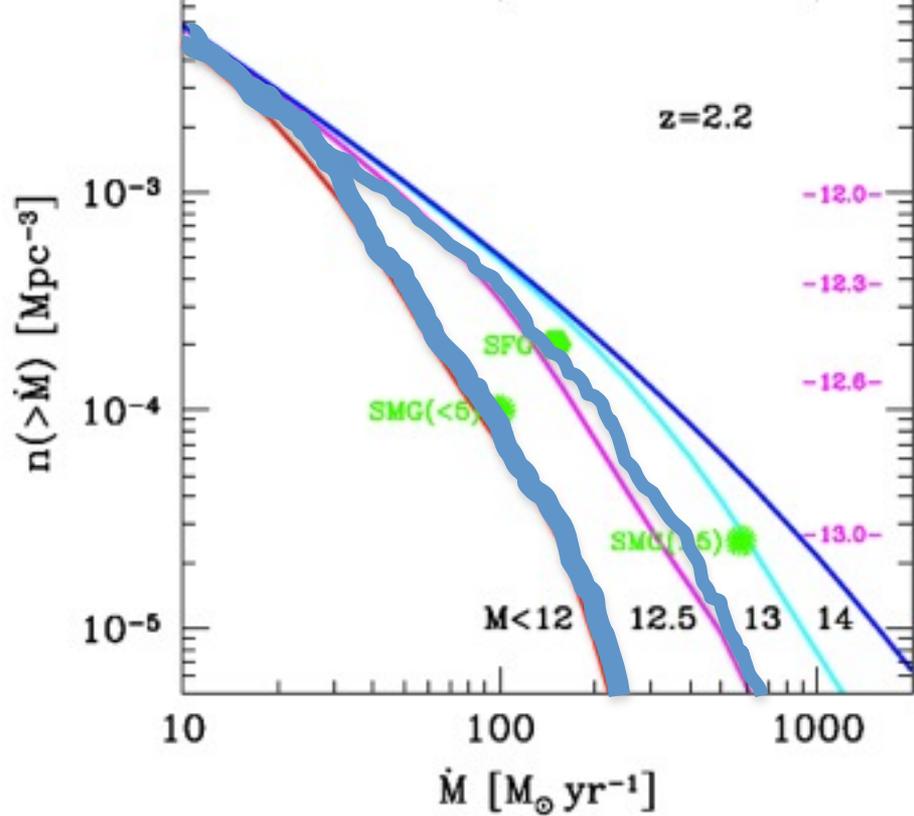
Dekel et al.(2009)



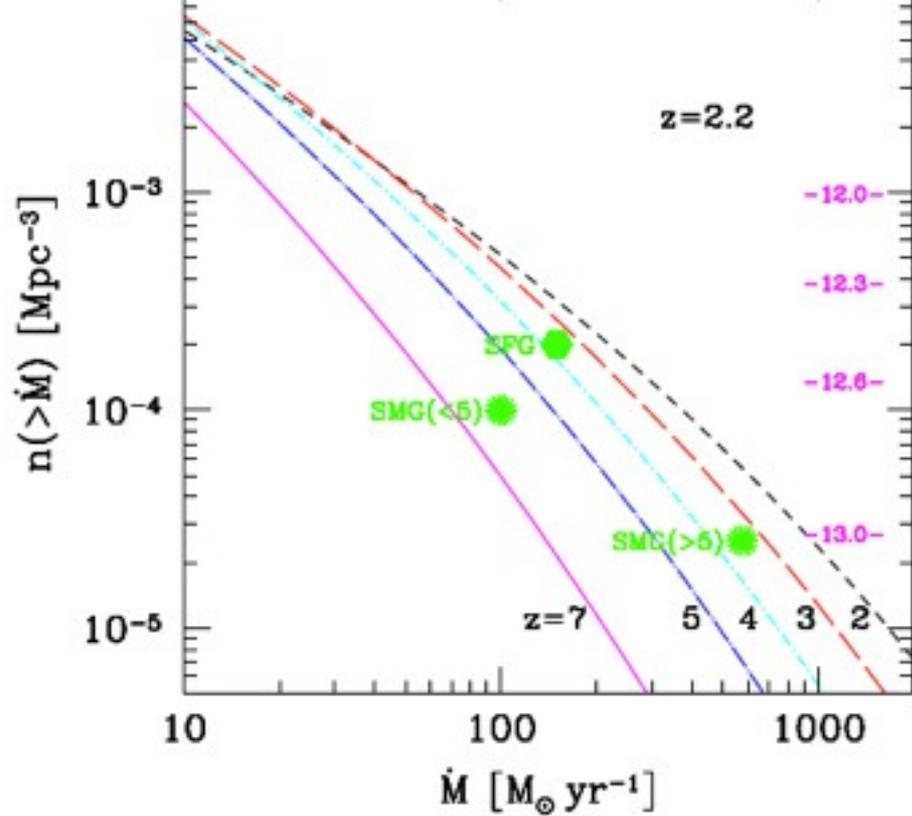
~ SFRs



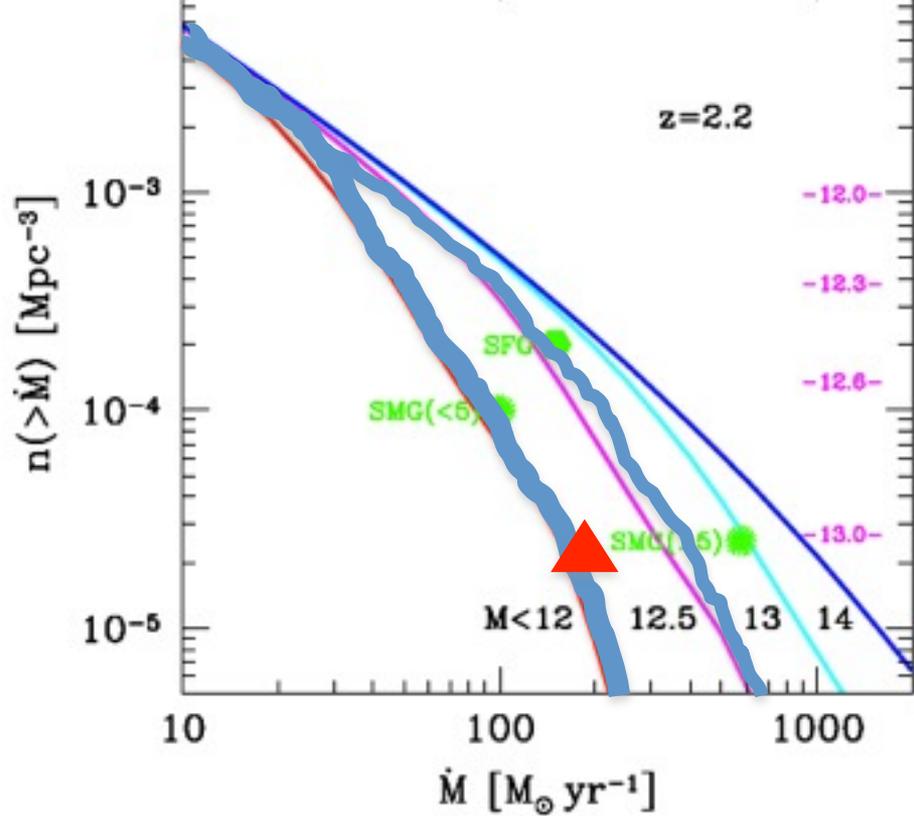
Dekel et al.(2009)



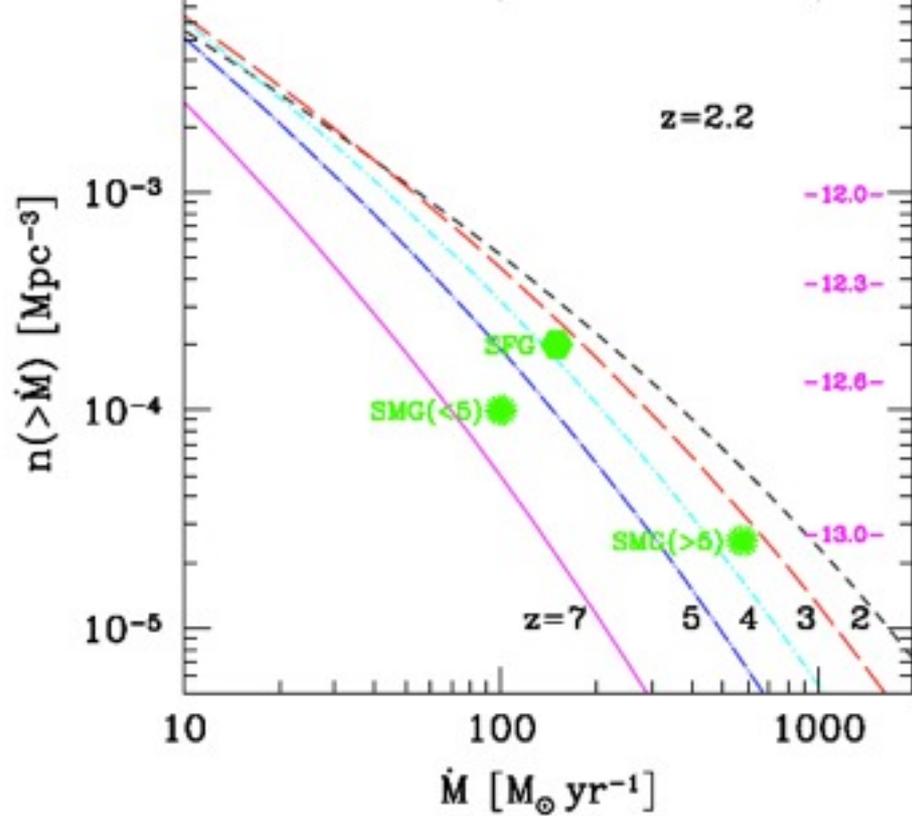
~ SFRs



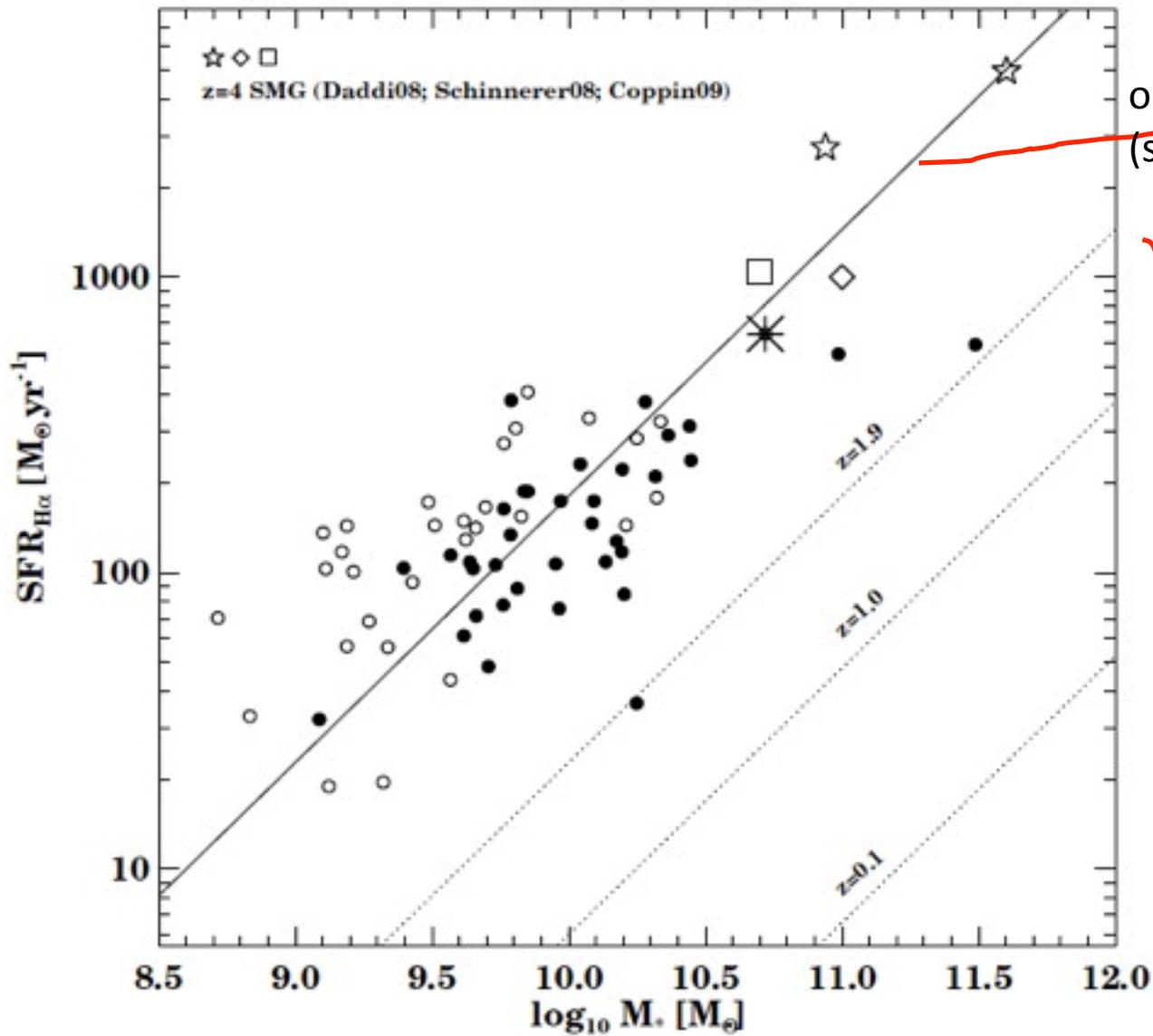
Dekel et al.(2009)



~ SFRs



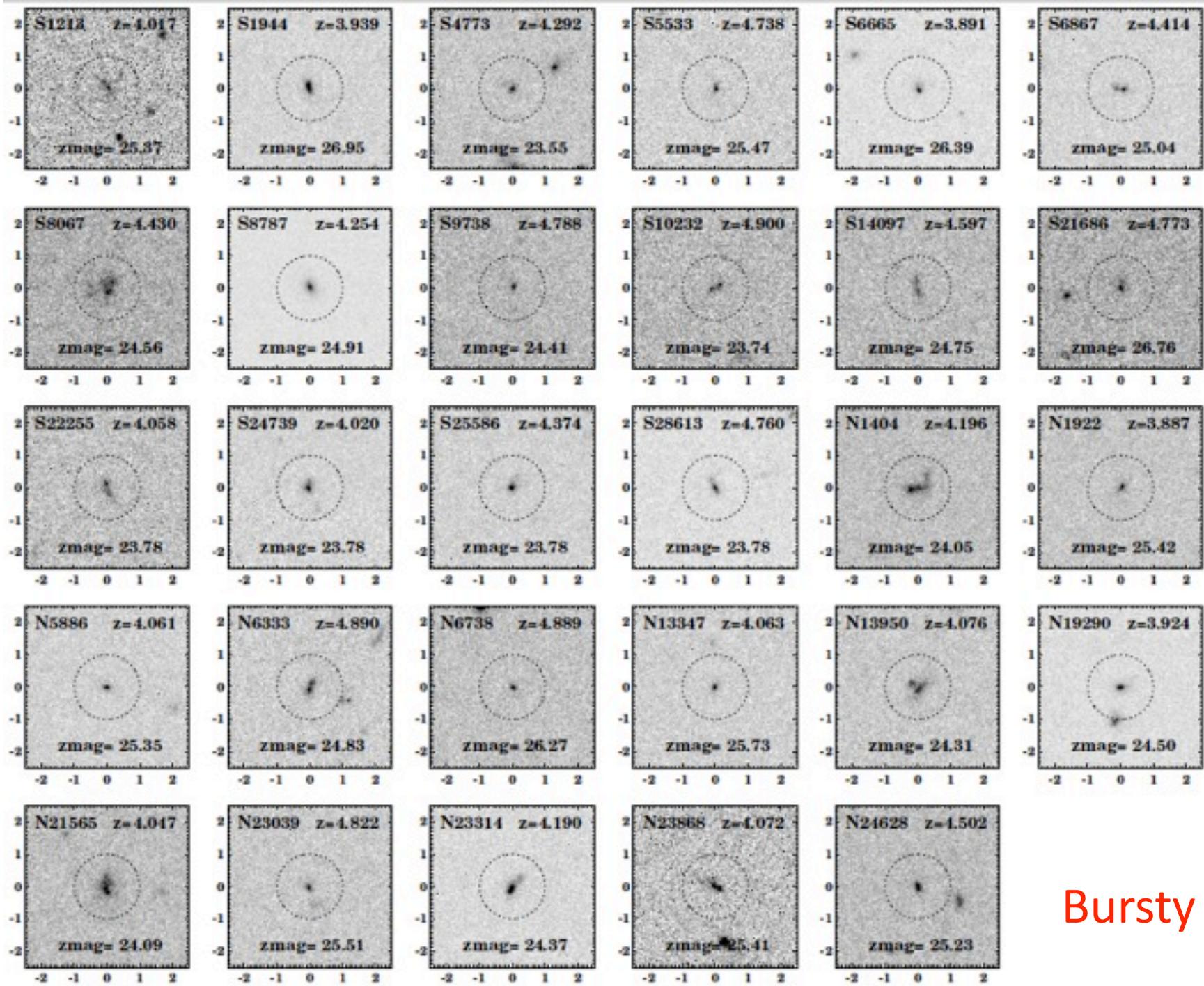
Dekel et al.(2009)



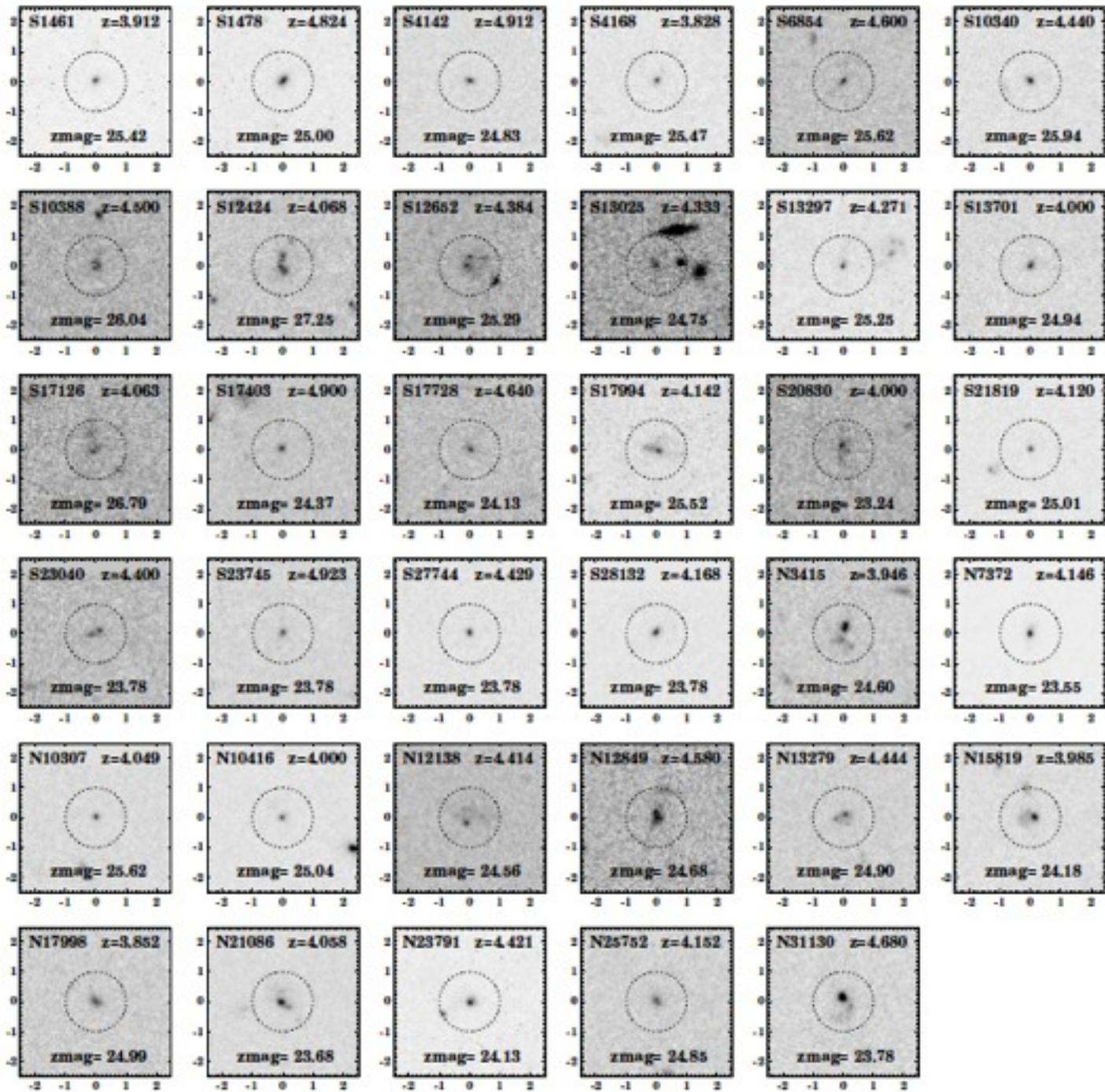
observed SFR- M^* for $z \sim 2$ SMGs?
 (still valid for $z \sim 4$ SMGs?)

observed SFR- M^* for SFGs
 evolution as a function of z ?

$z \sim 4$ HAEs ($3.8 < z < 5.0$)



Bursty



Continuous

