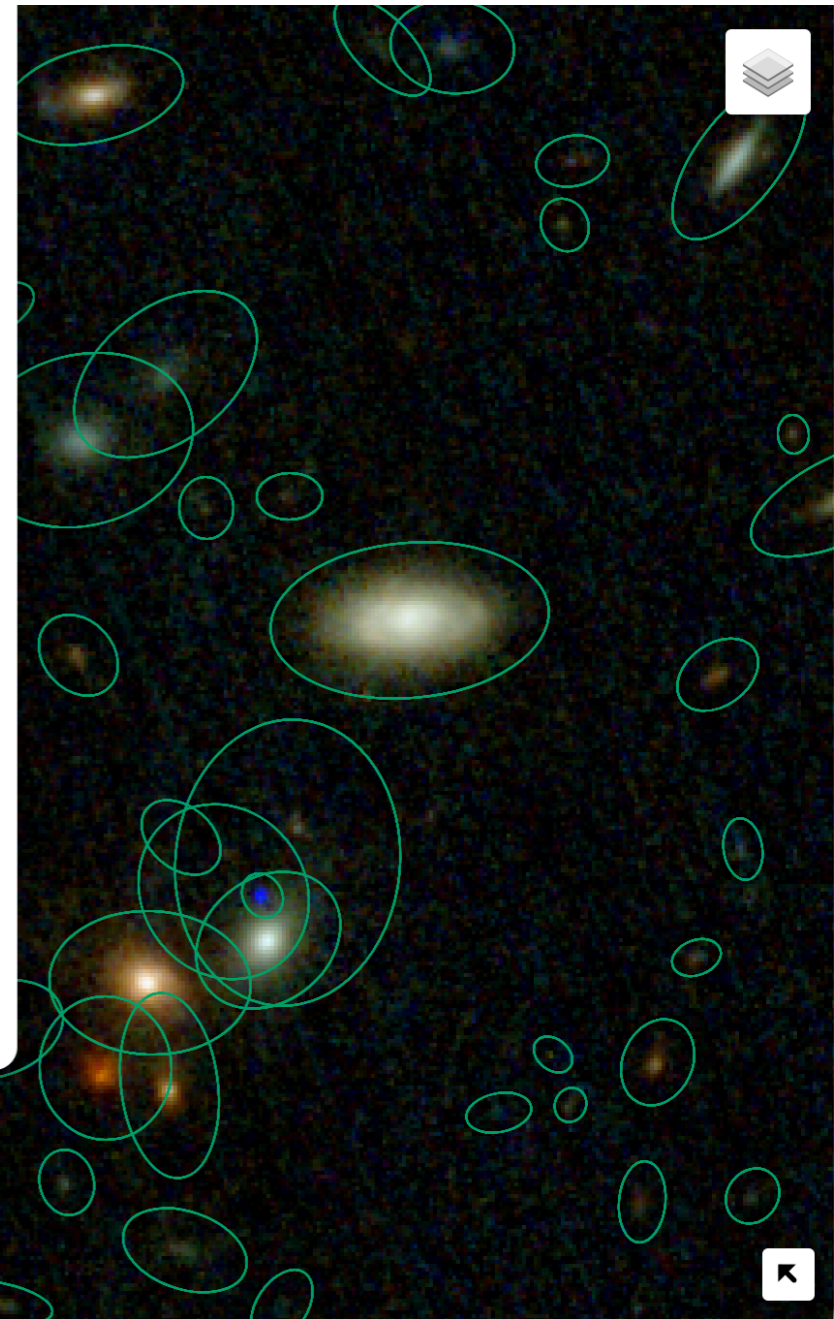
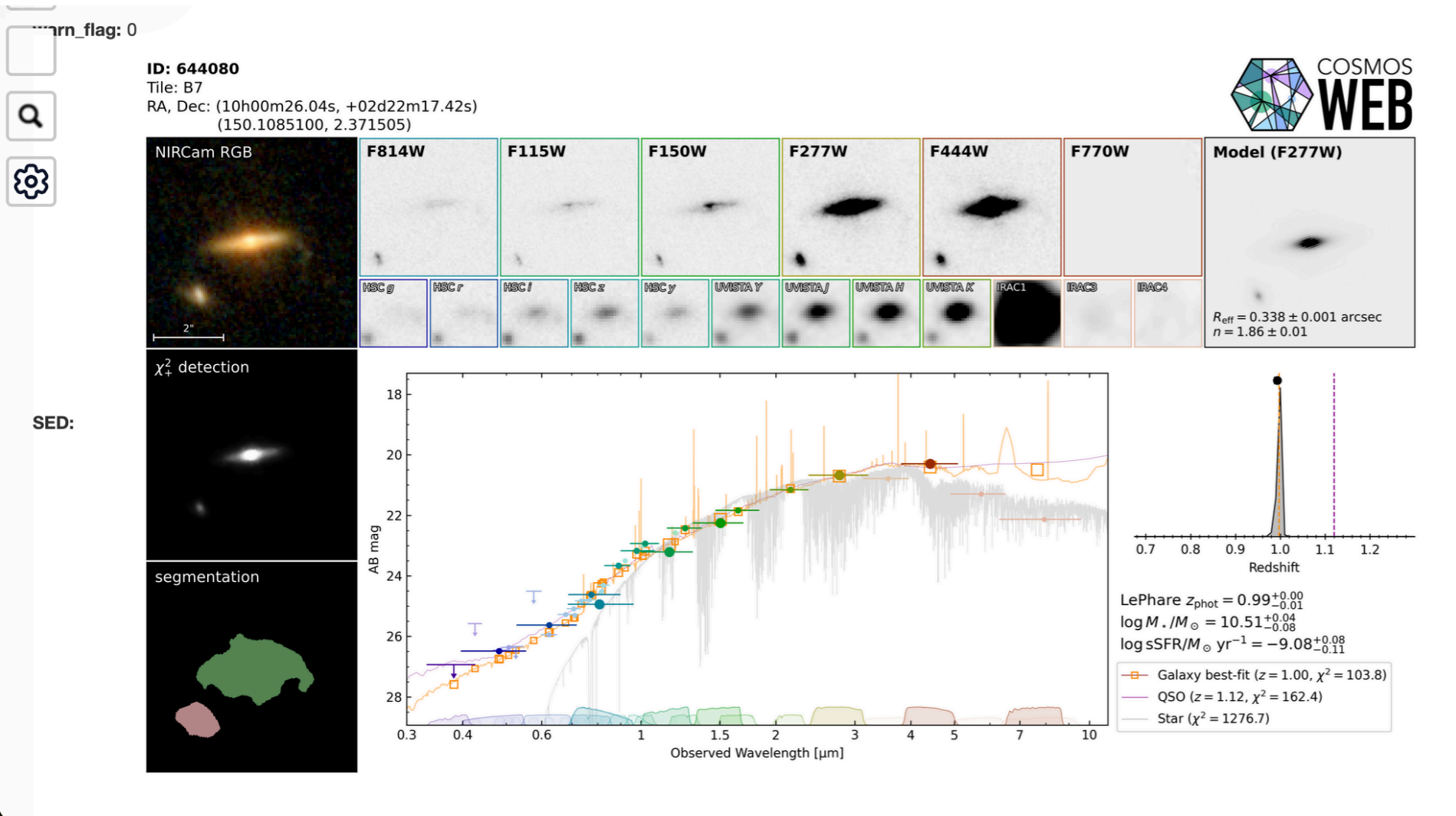
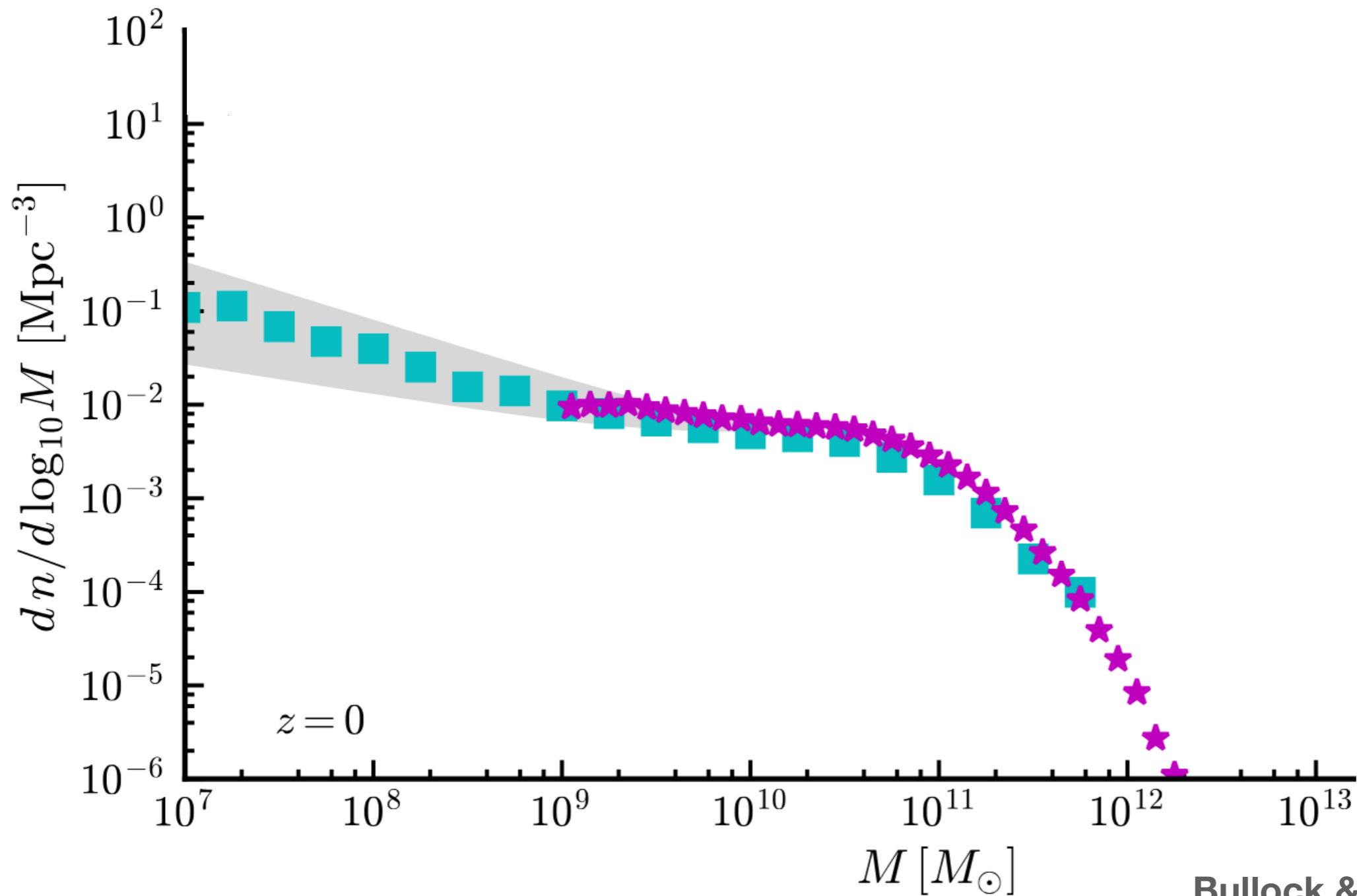


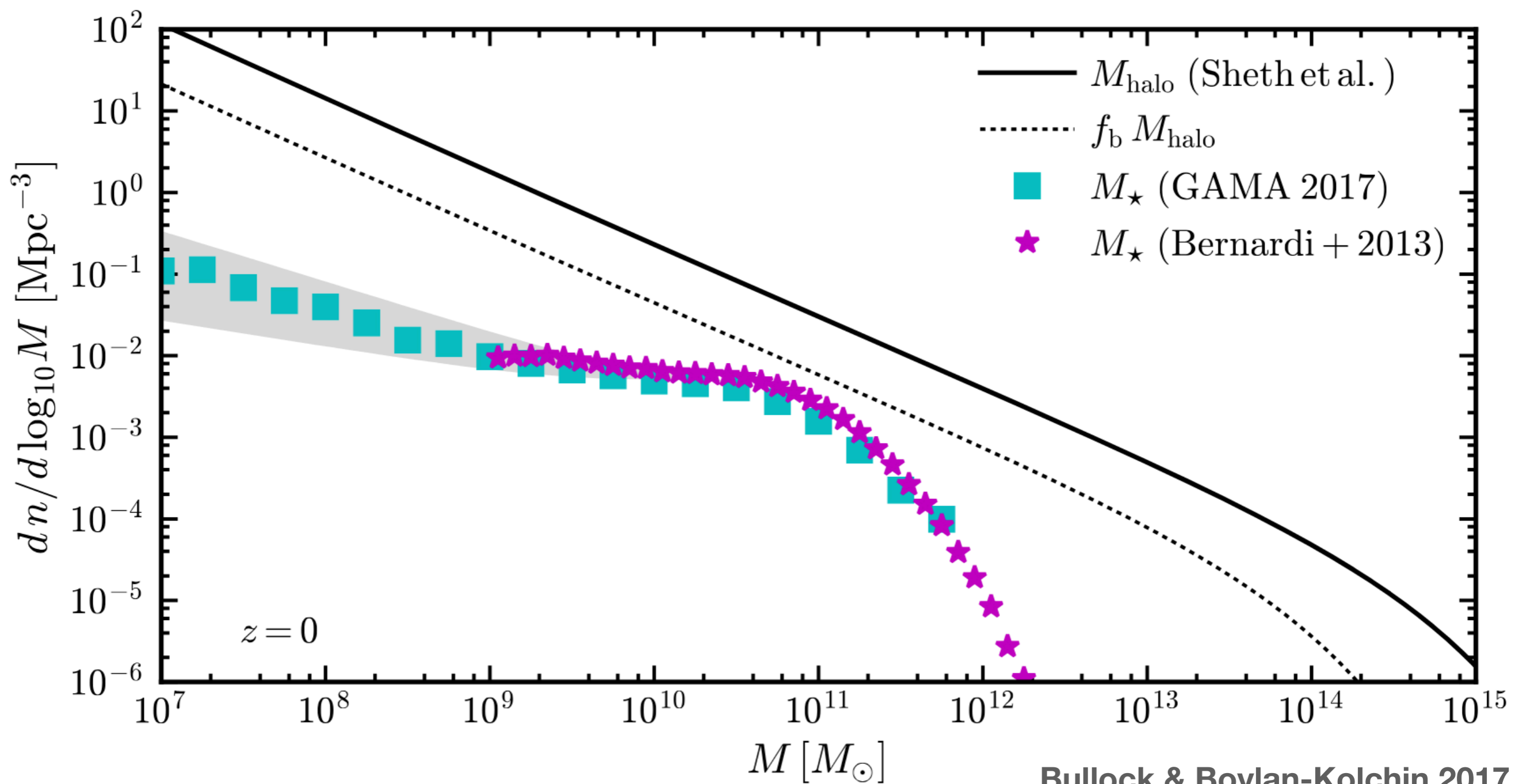
# Real-life applications and examples: galaxy evolution as seen through SED modeling



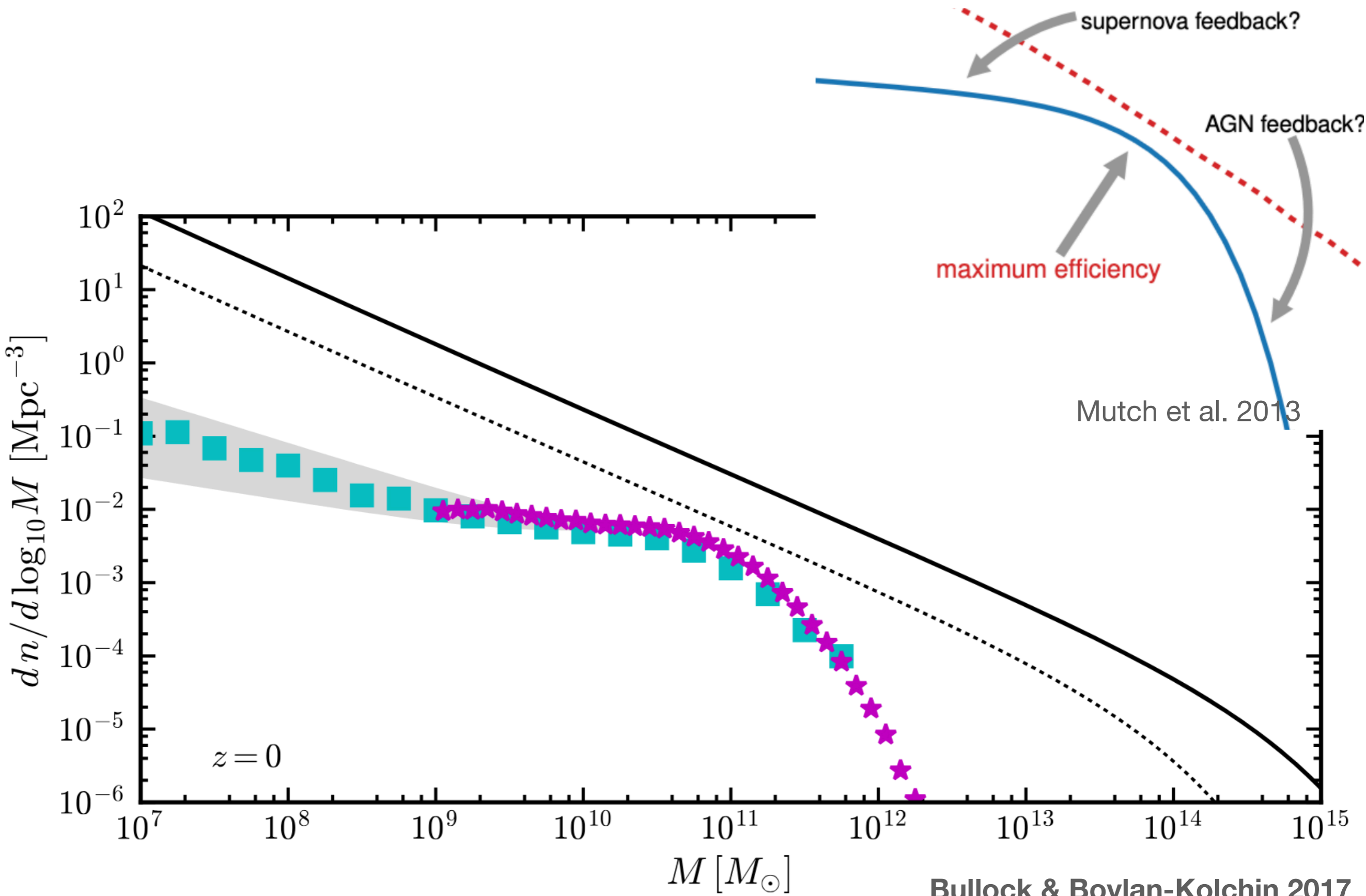
# Galaxy stellar mass function



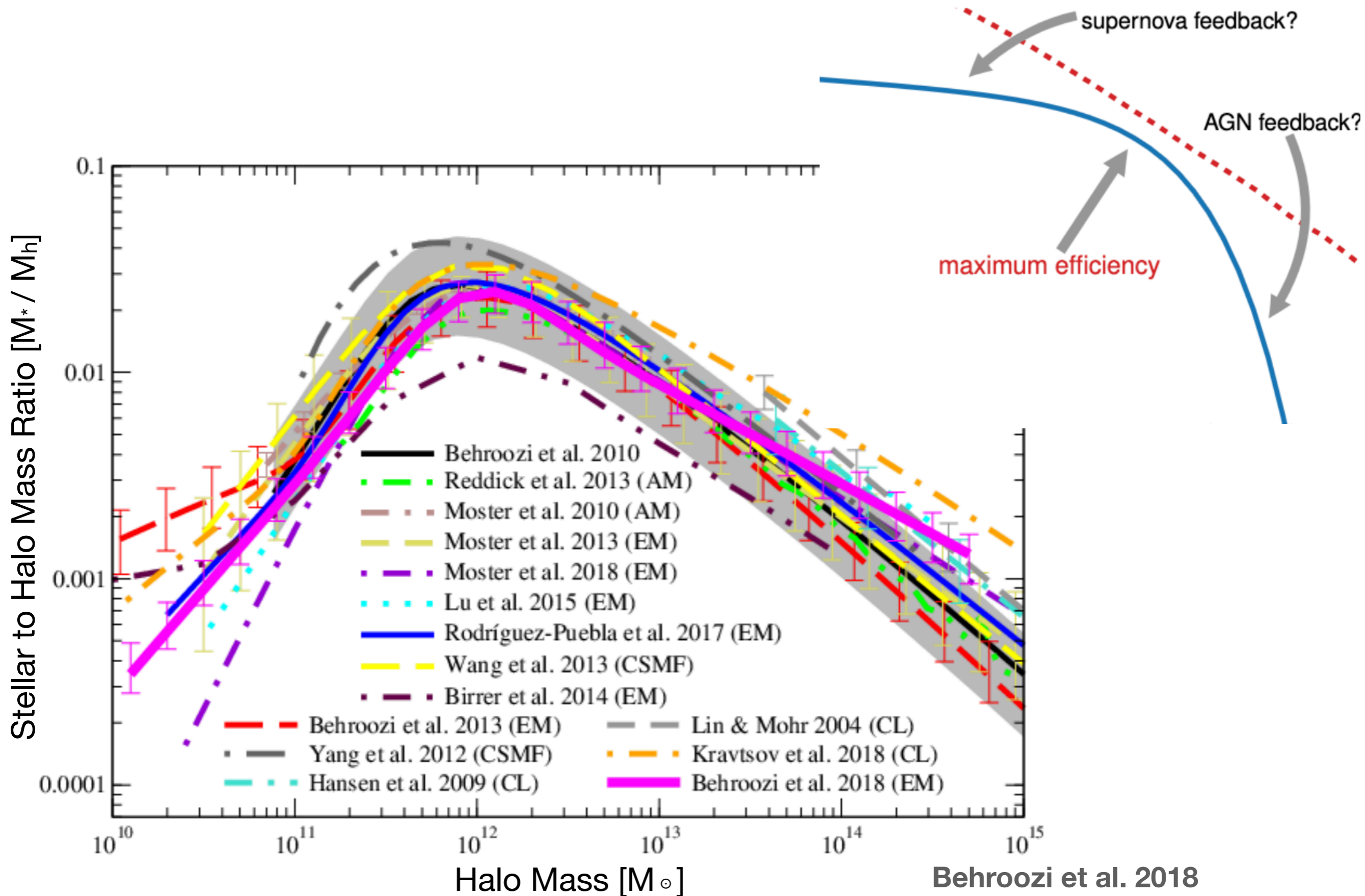
# Galaxy stellar mass function



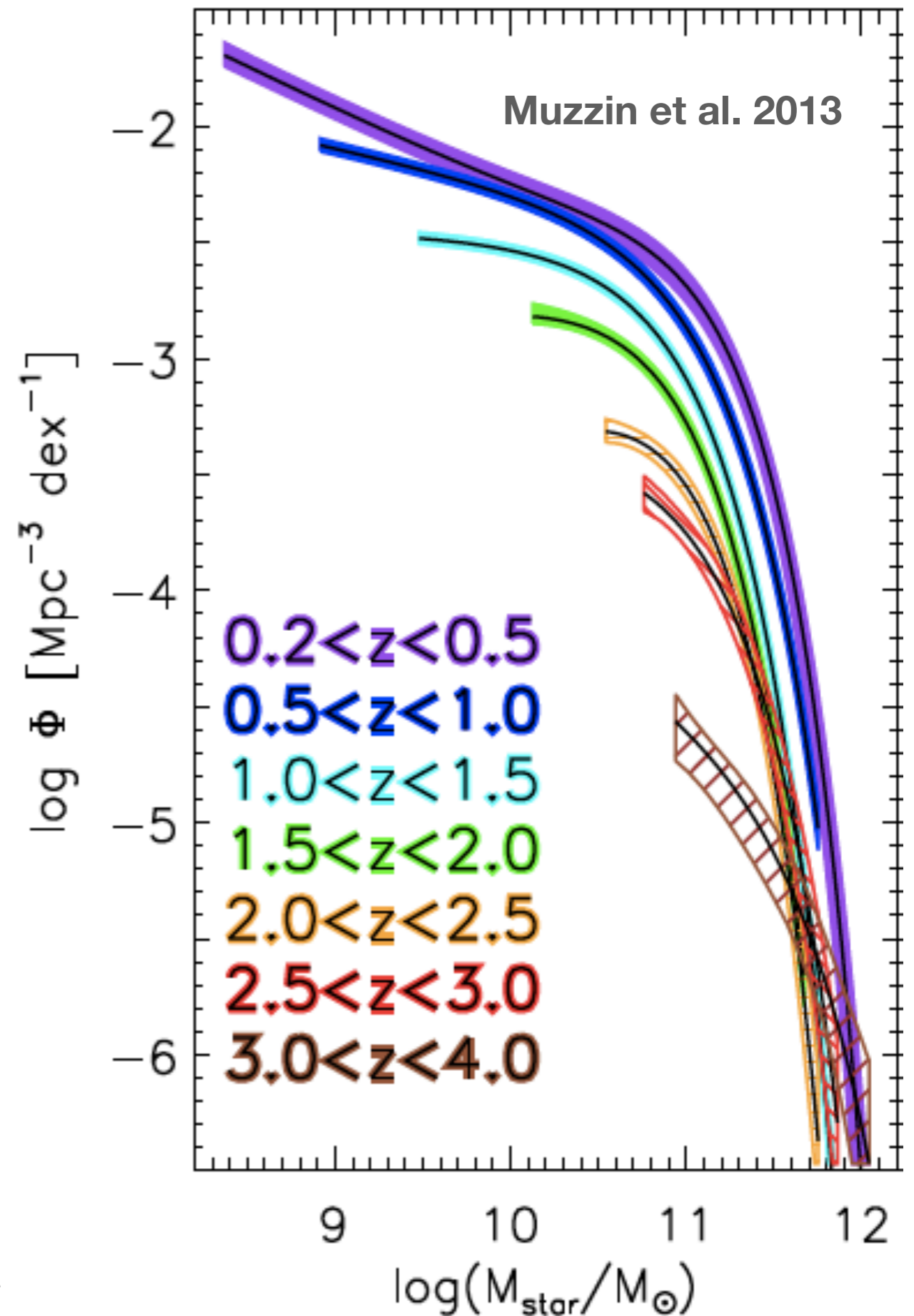
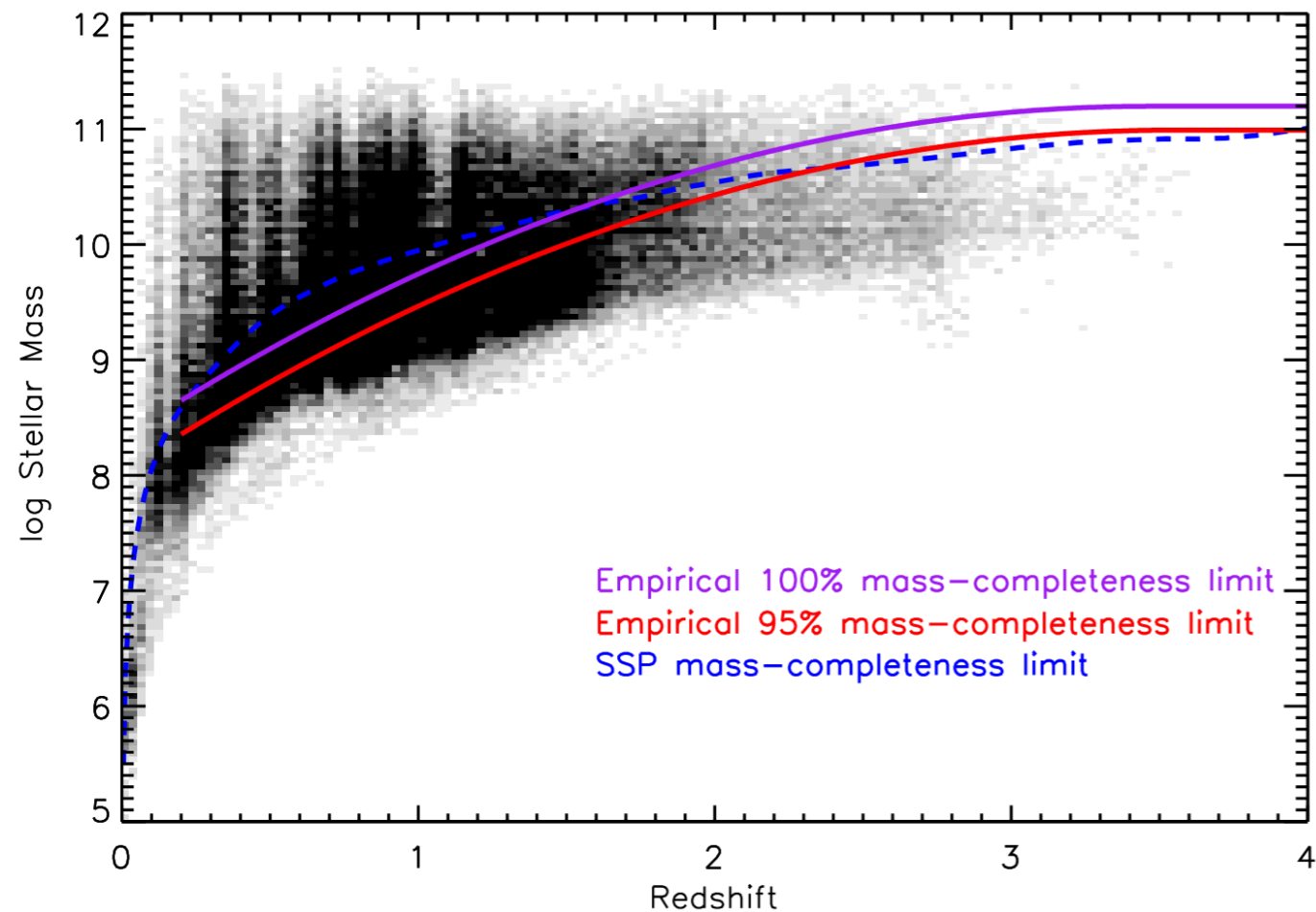
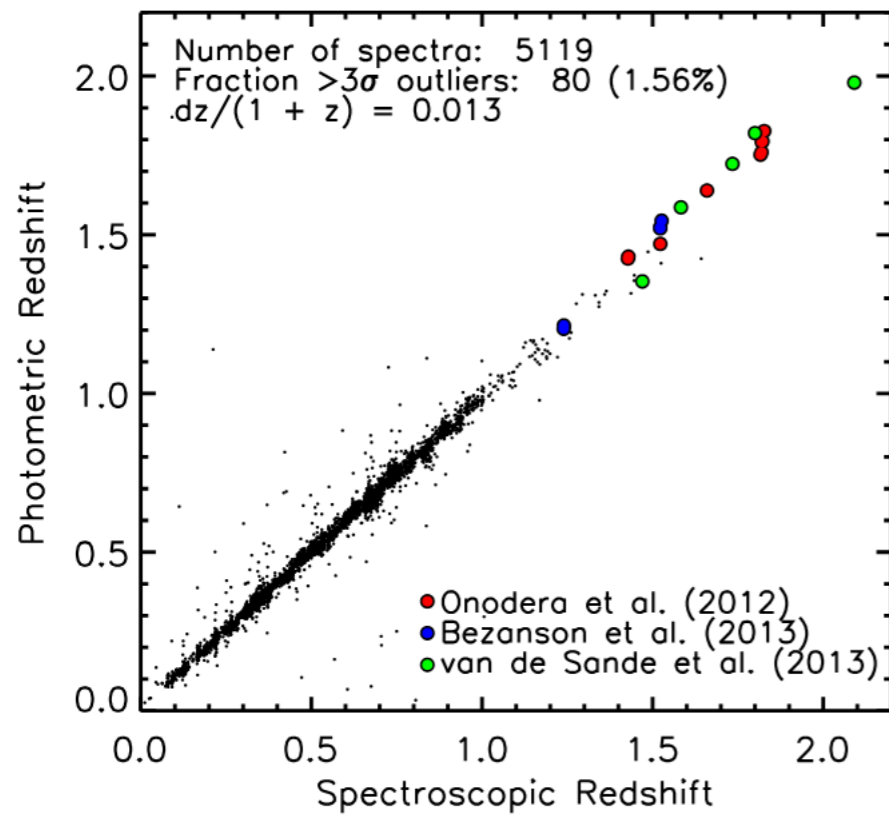
# Galaxy stellar mass function



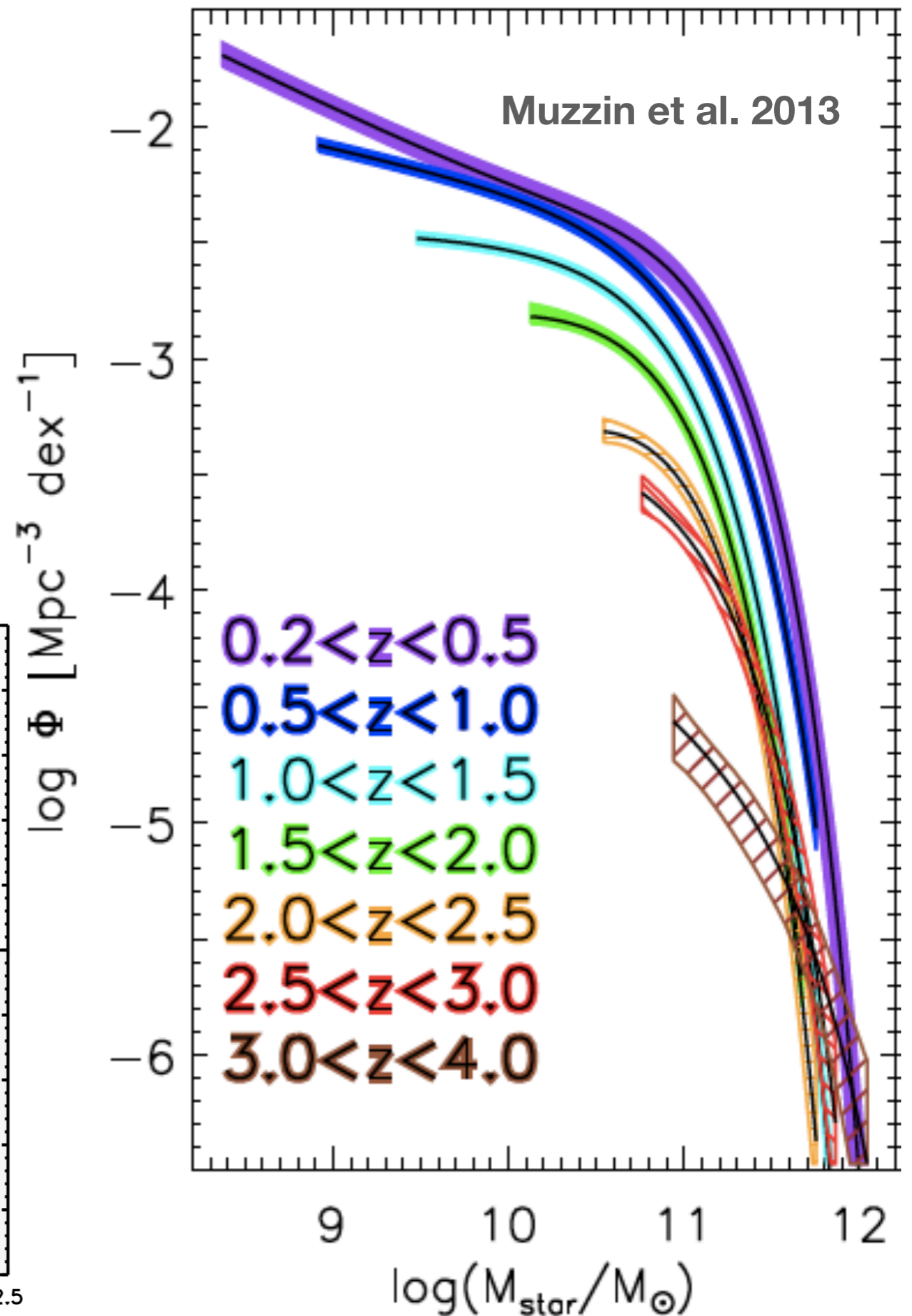
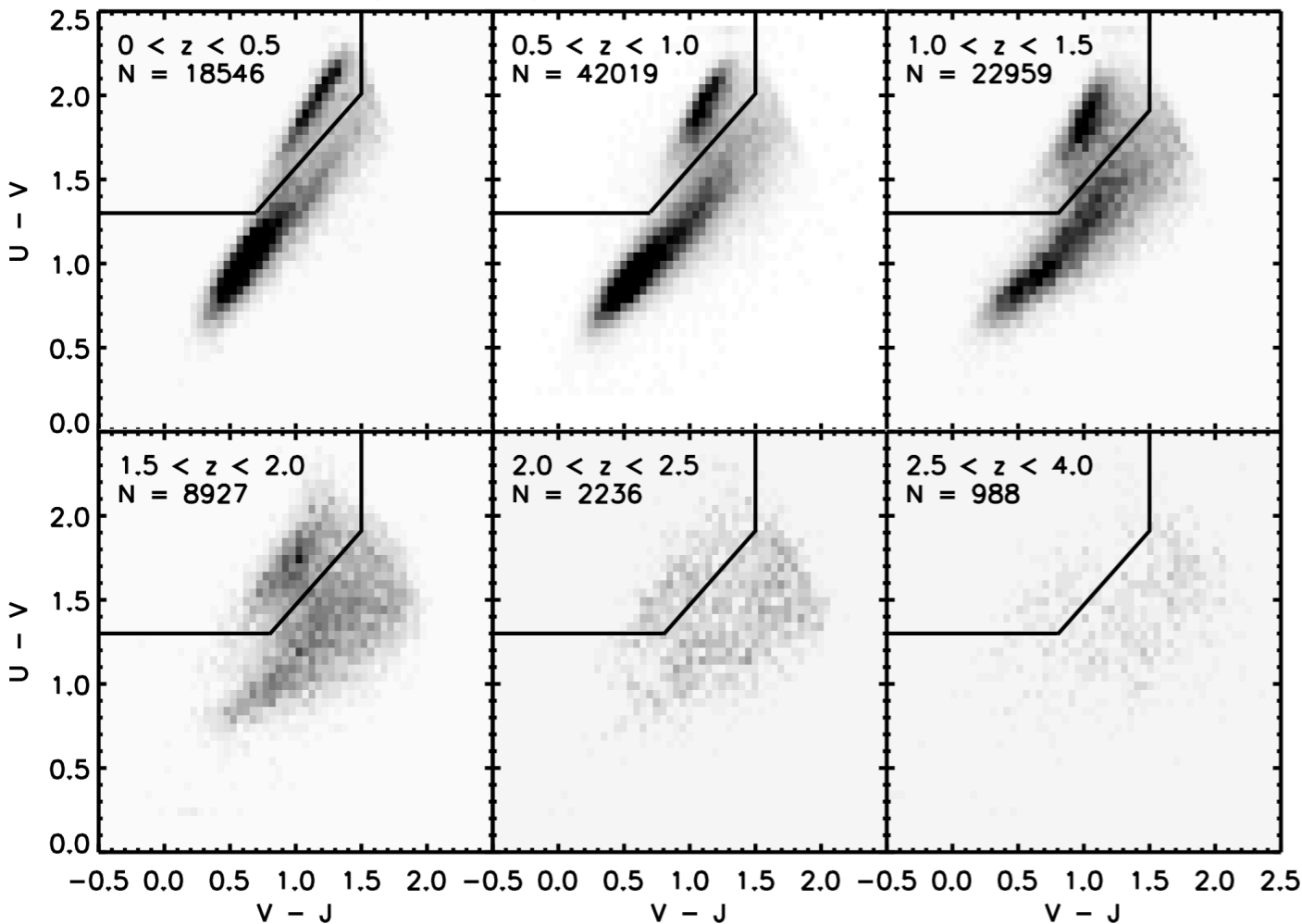
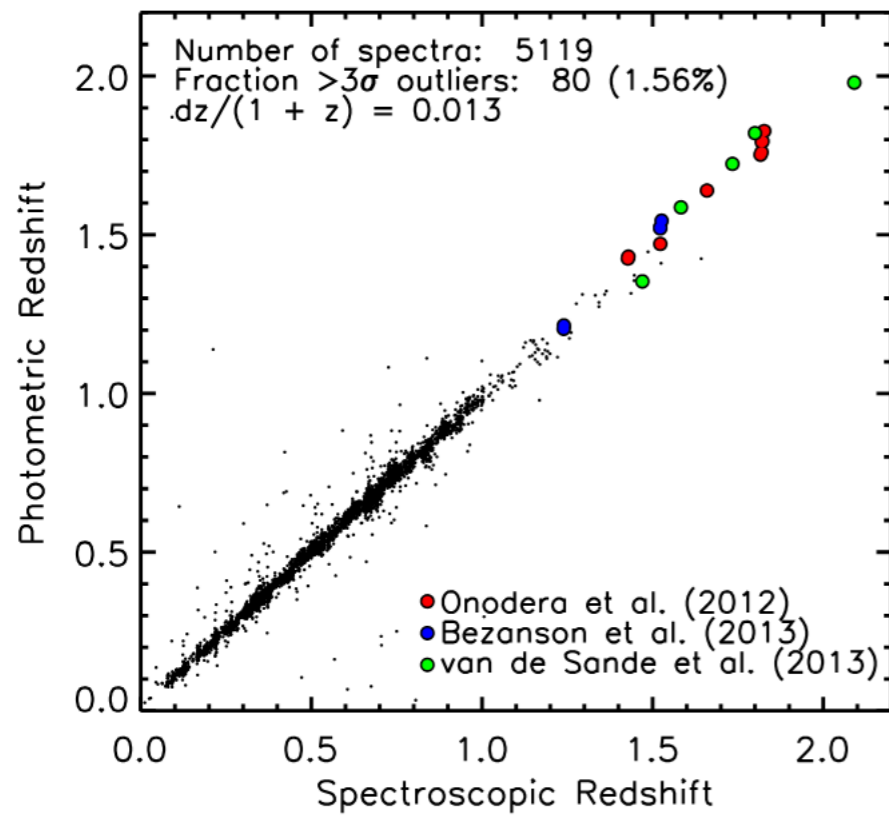
# Galaxy stellar mass - halo mass relation, and the efficiency of star formation



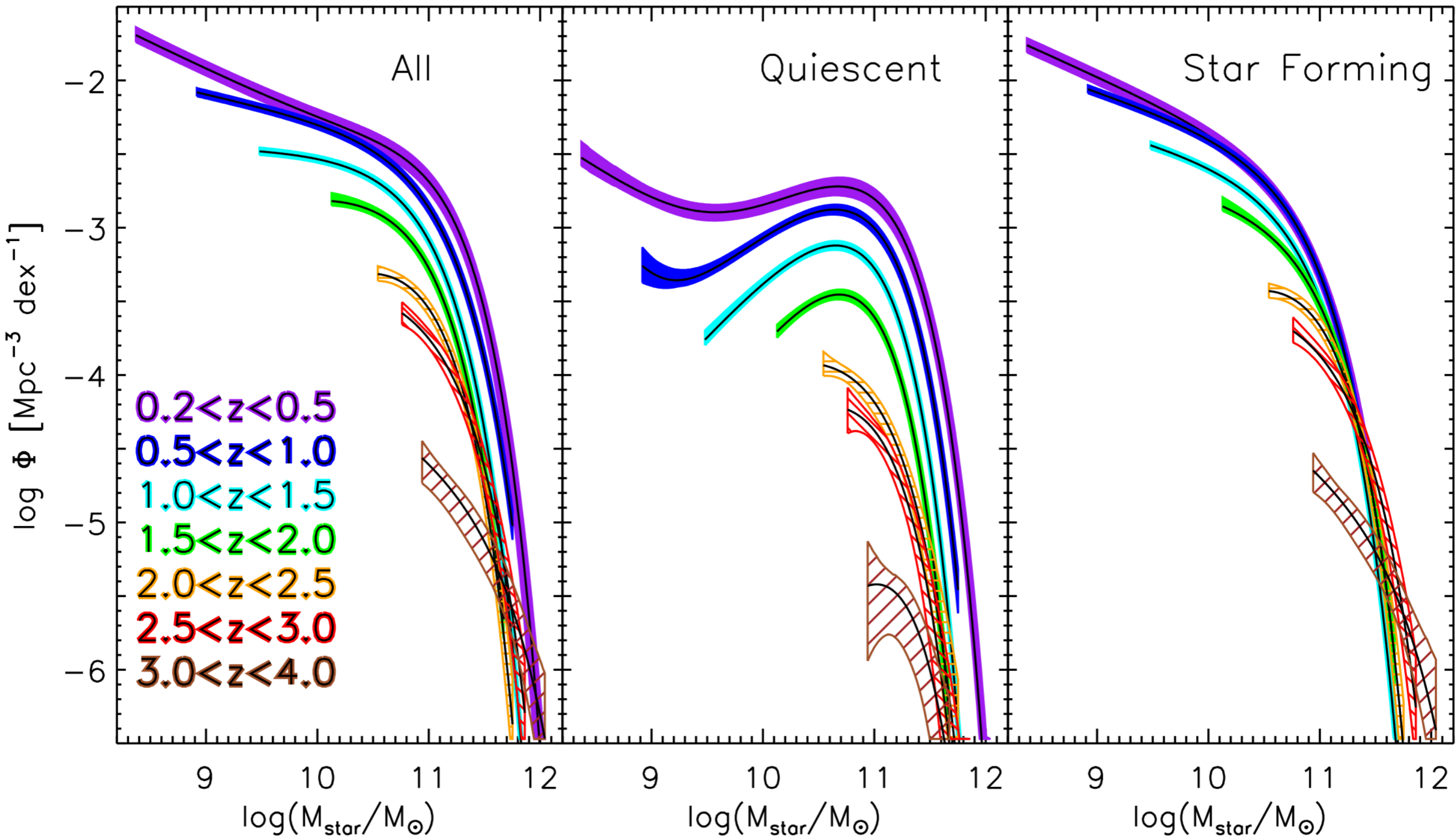
# Evolution of the galaxy stellar mass function

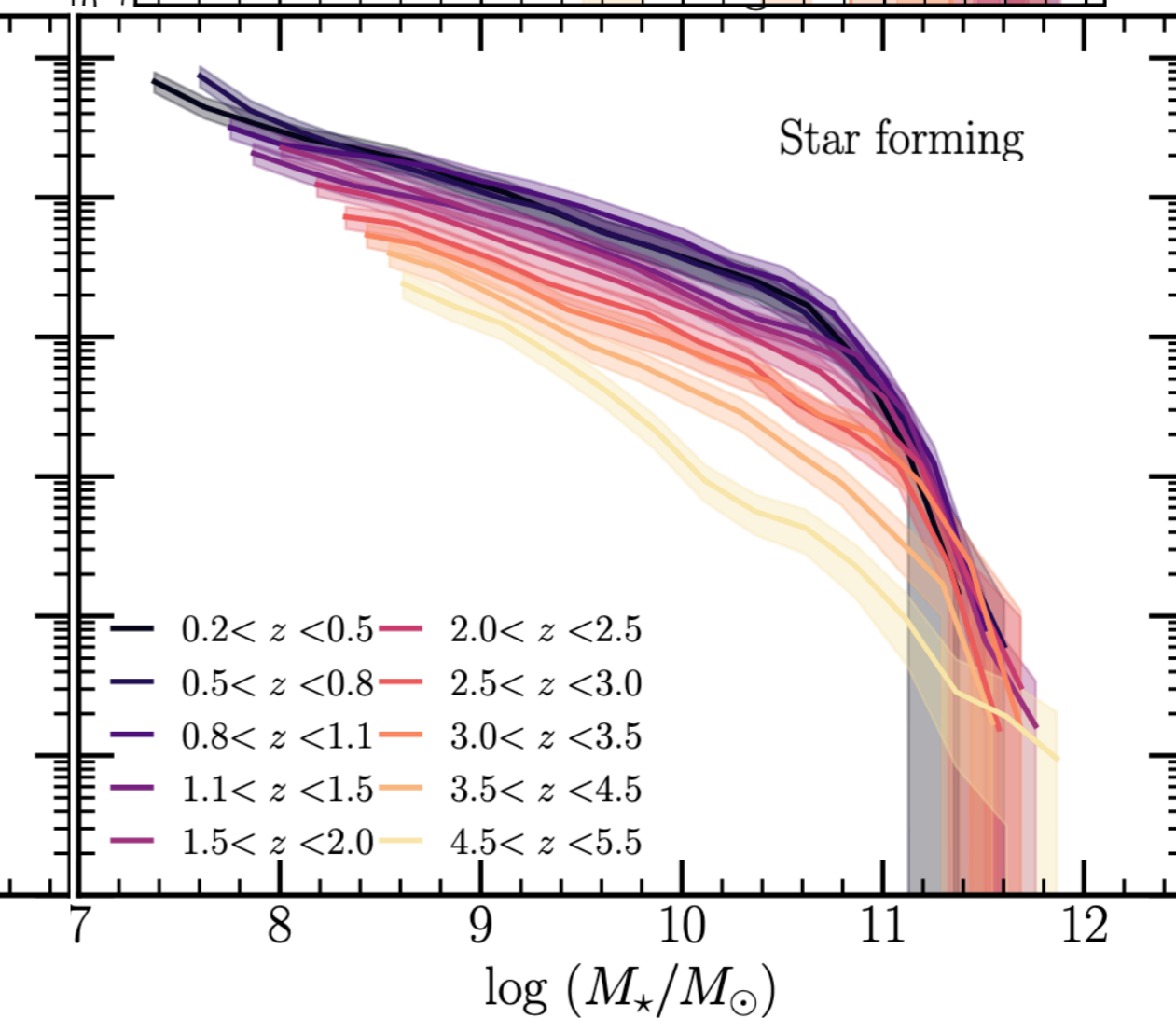
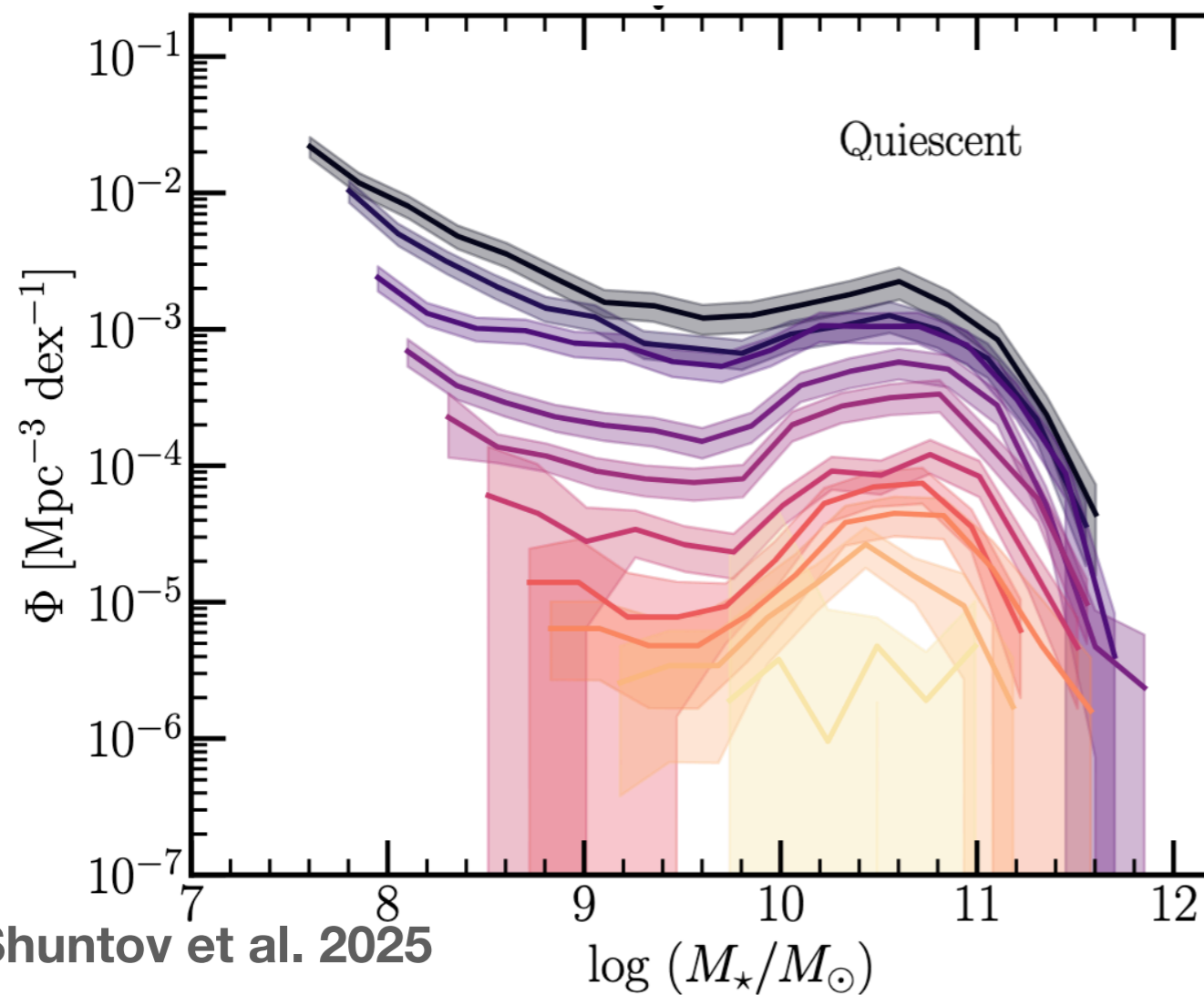
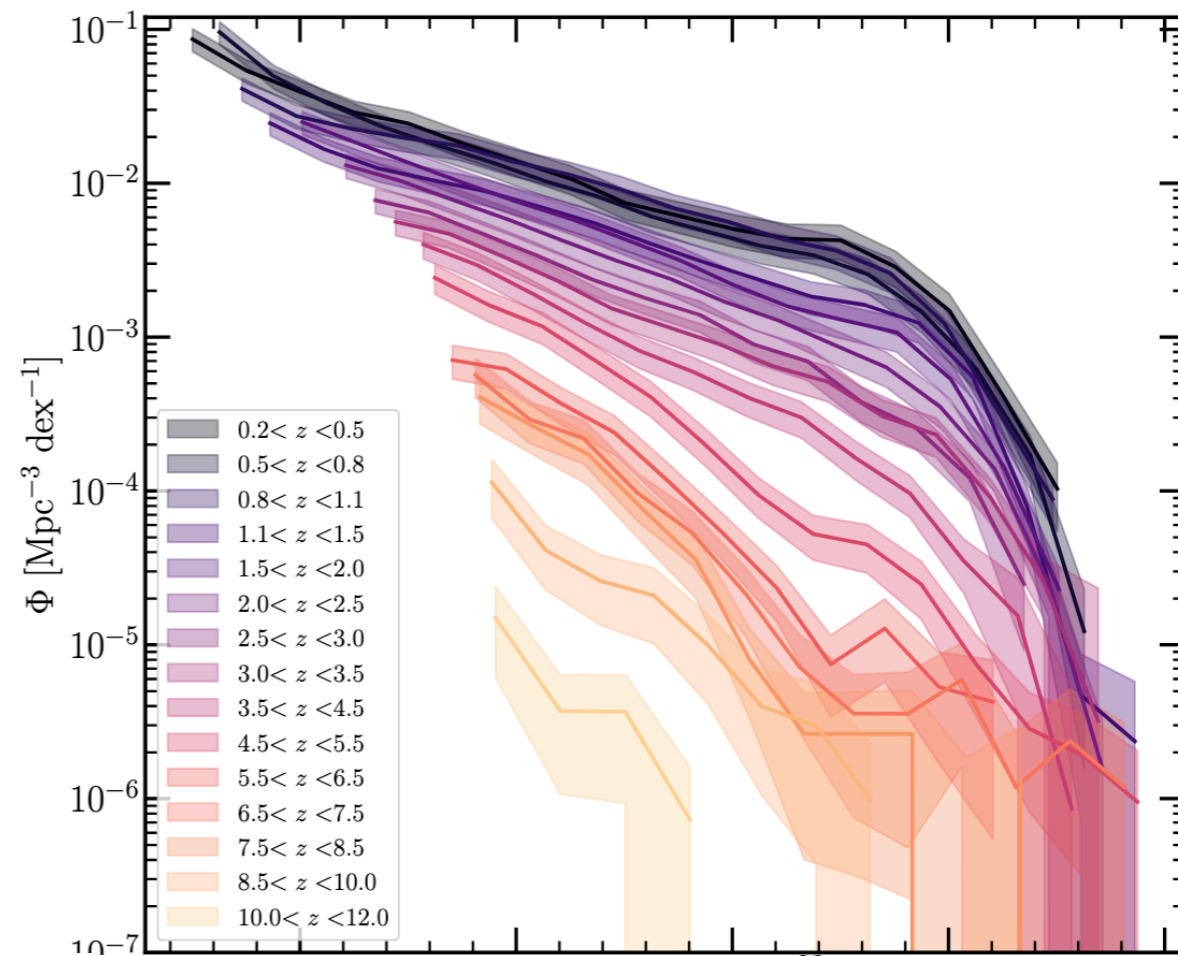
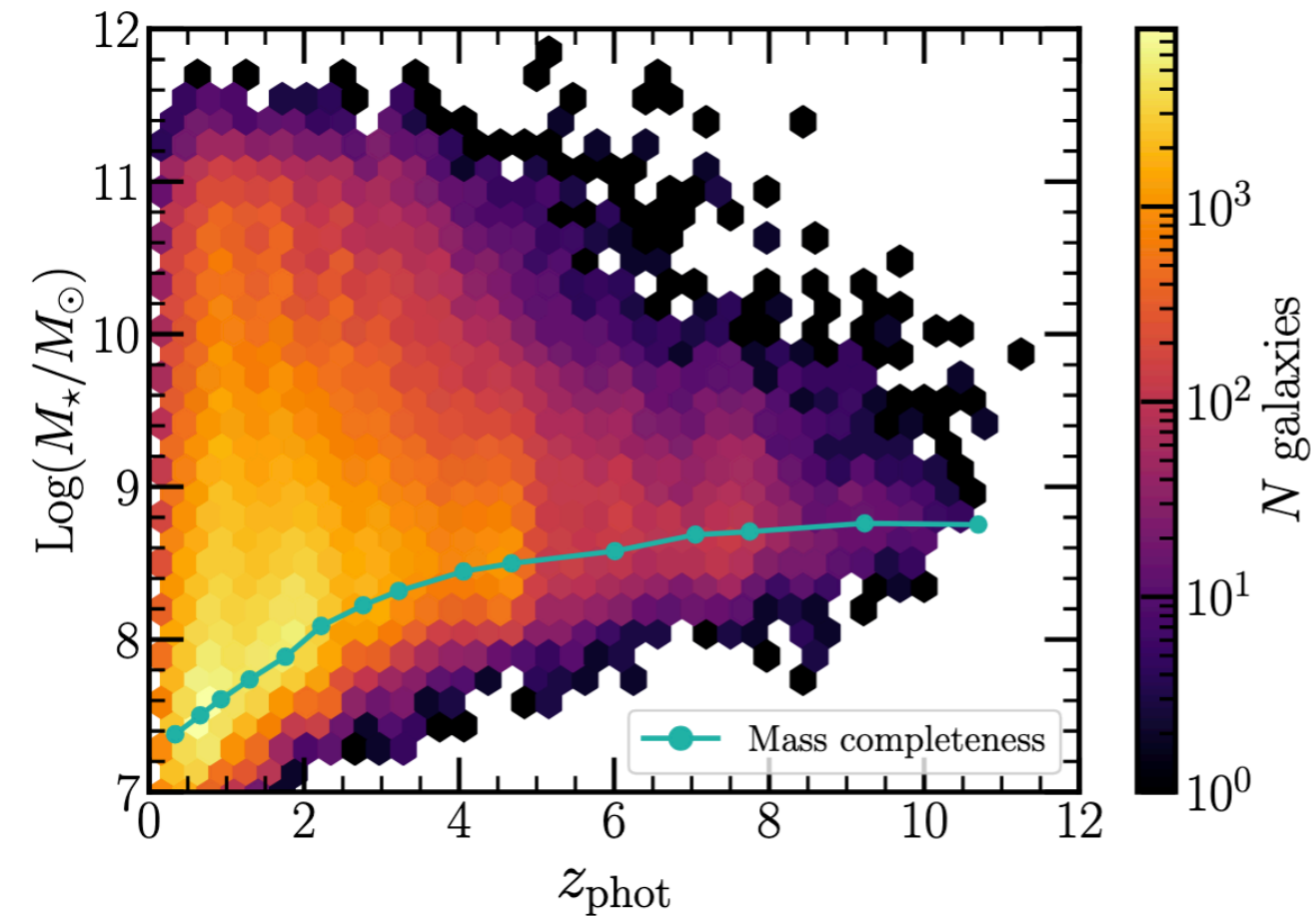


# Evolution of the galaxy stellar mass function

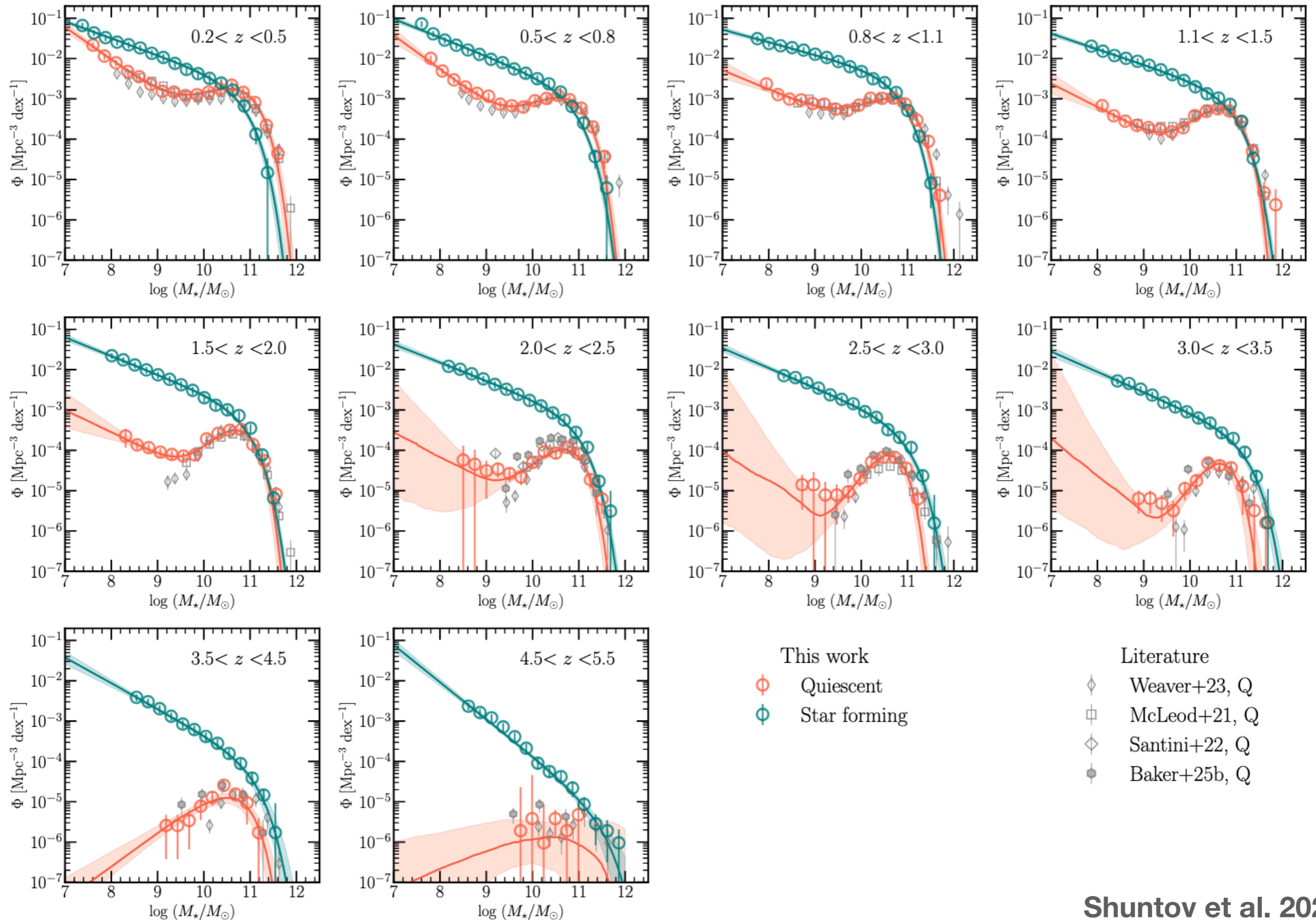


# Evolution of the galaxy stellar mass function

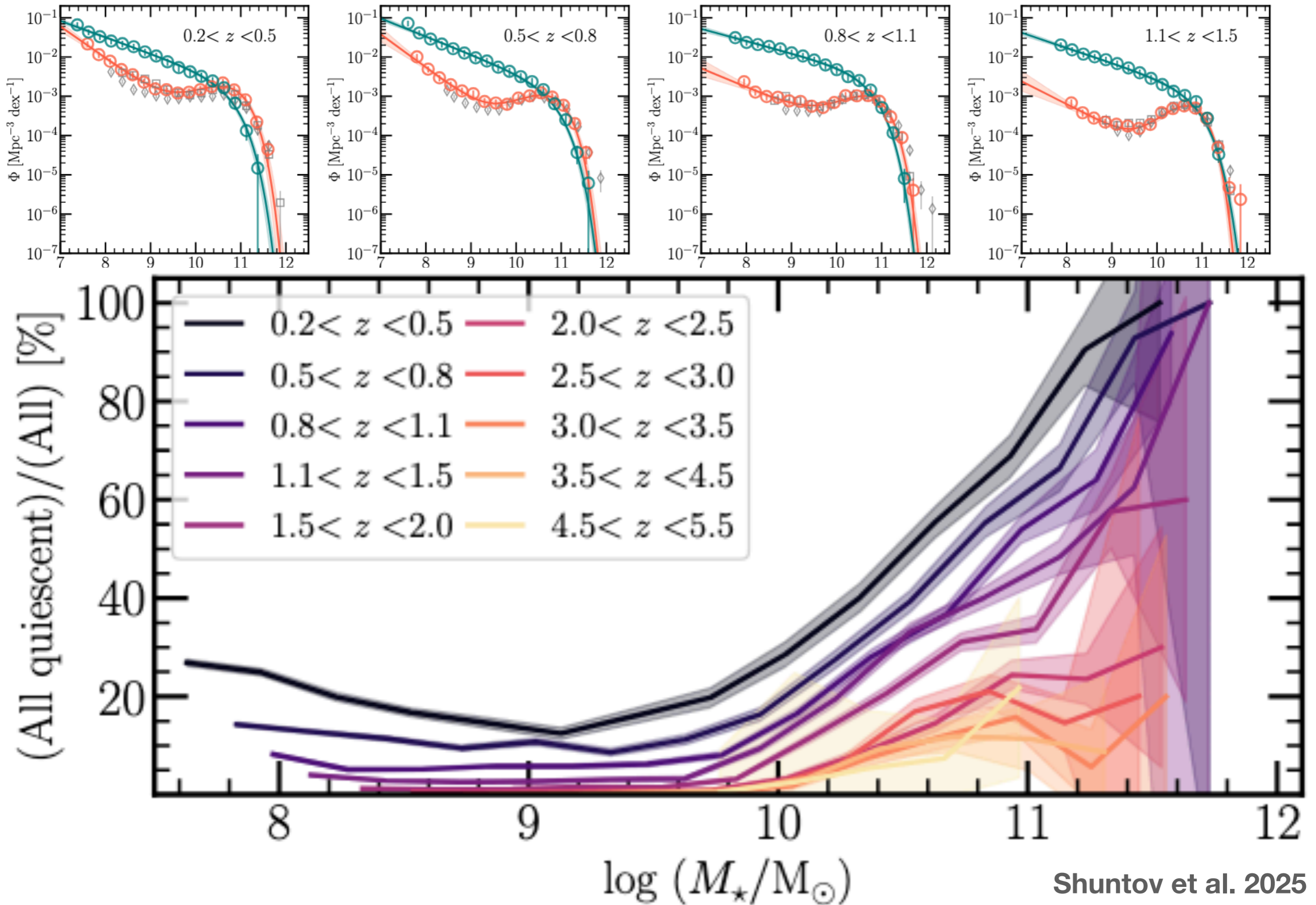




# Stellar mass function of quiescent and SF populations

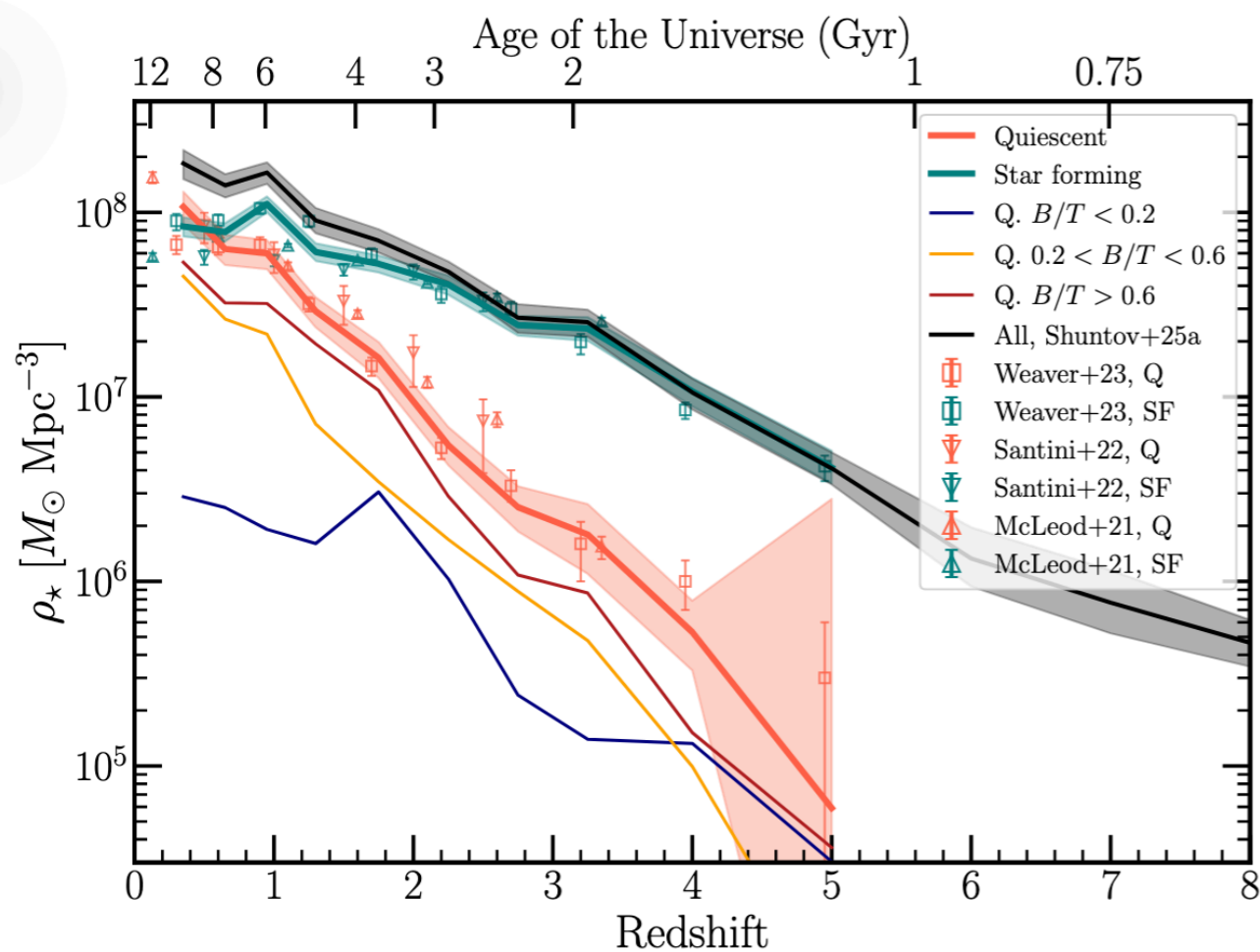


# The evolution of the quiescent galaxy fraction

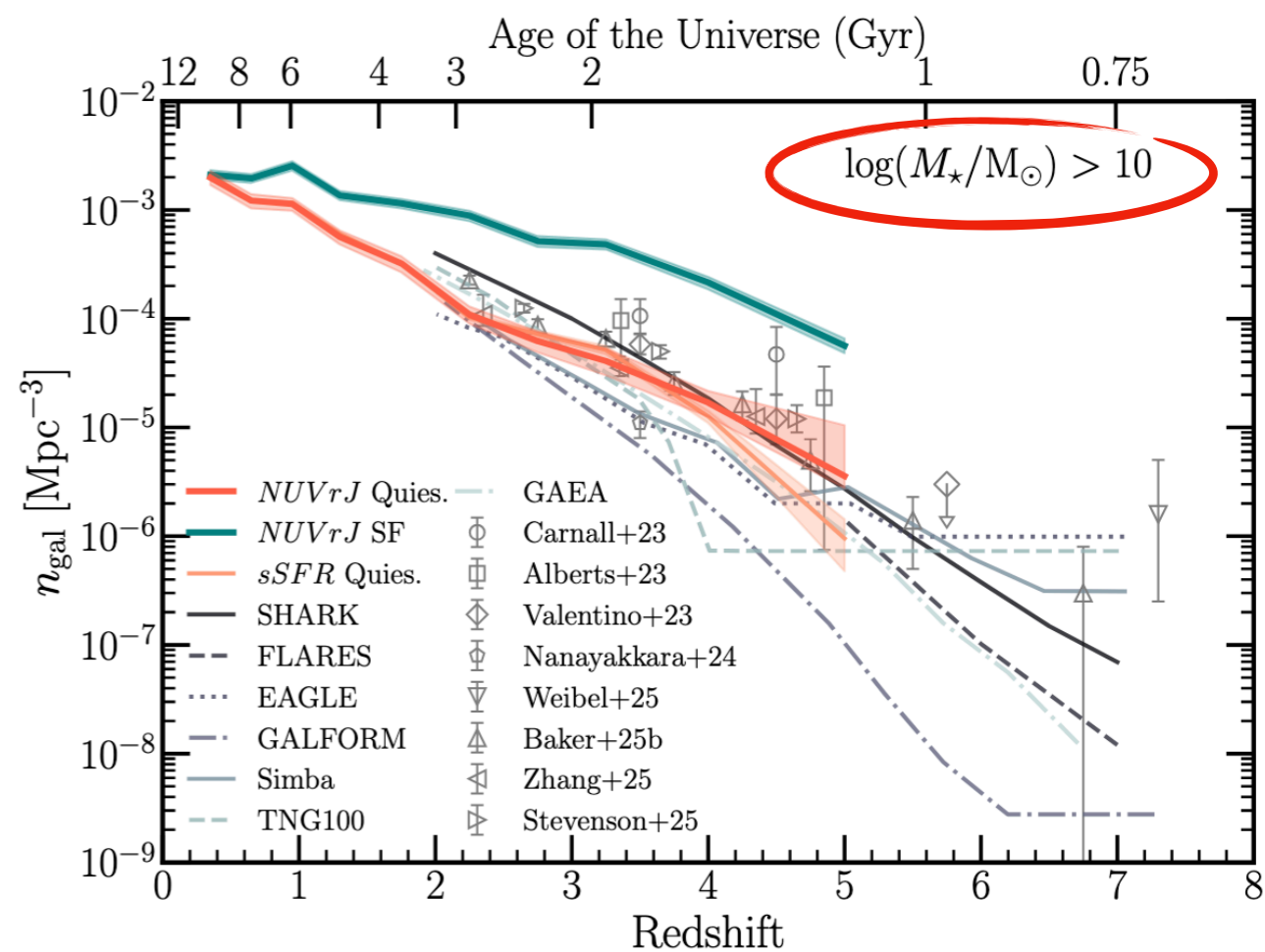


# Stellar mass density in SF and Q galaxies

stellar mass density  
in quiescent and SF galaxies

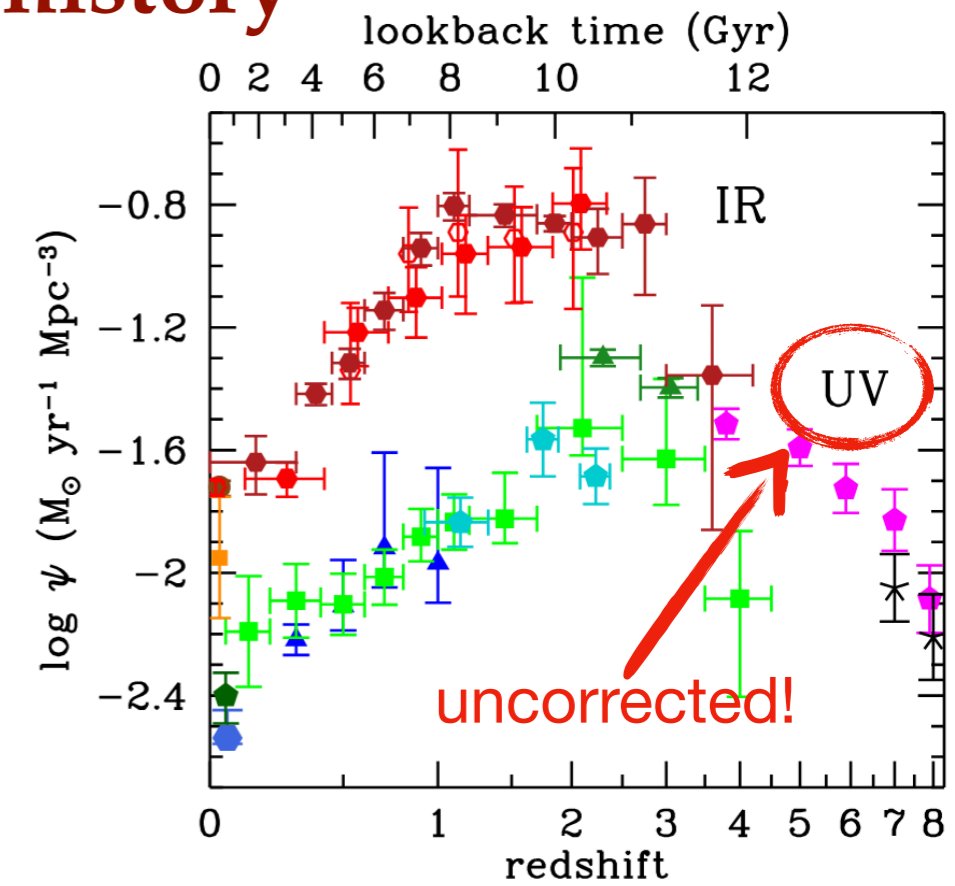


number density  
of quiescent and SF galaxies

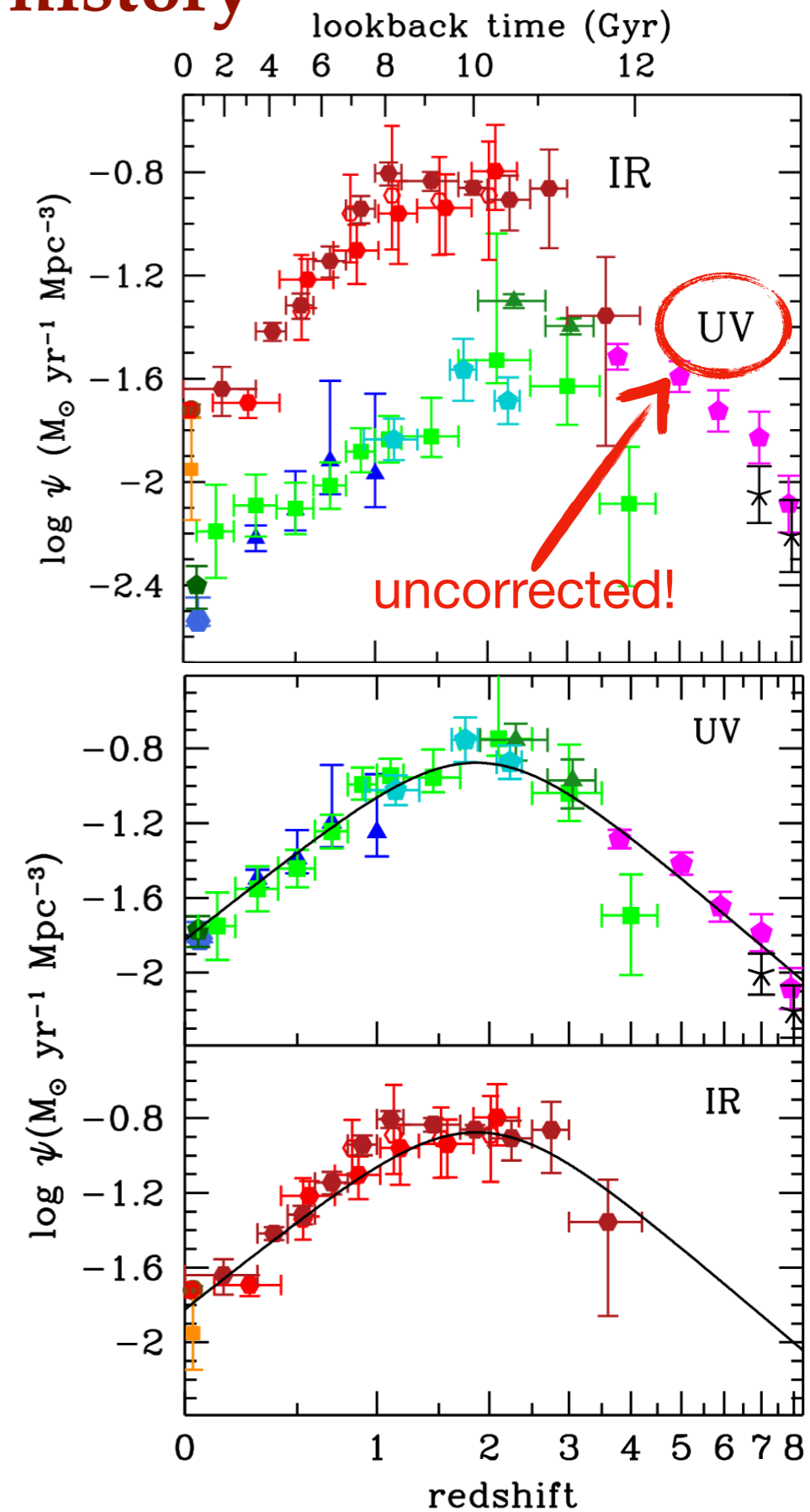


Shuntov et al. 2025

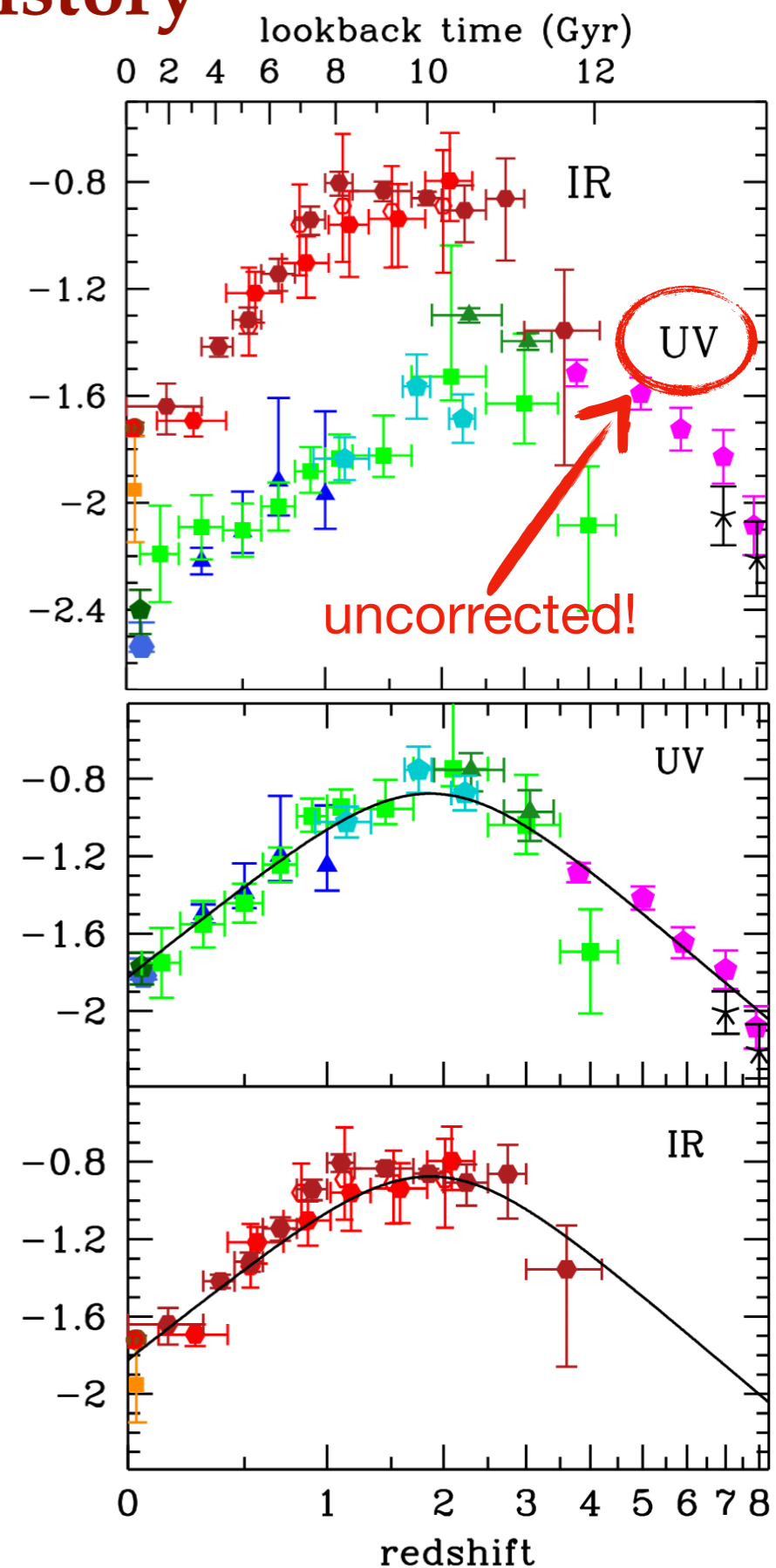
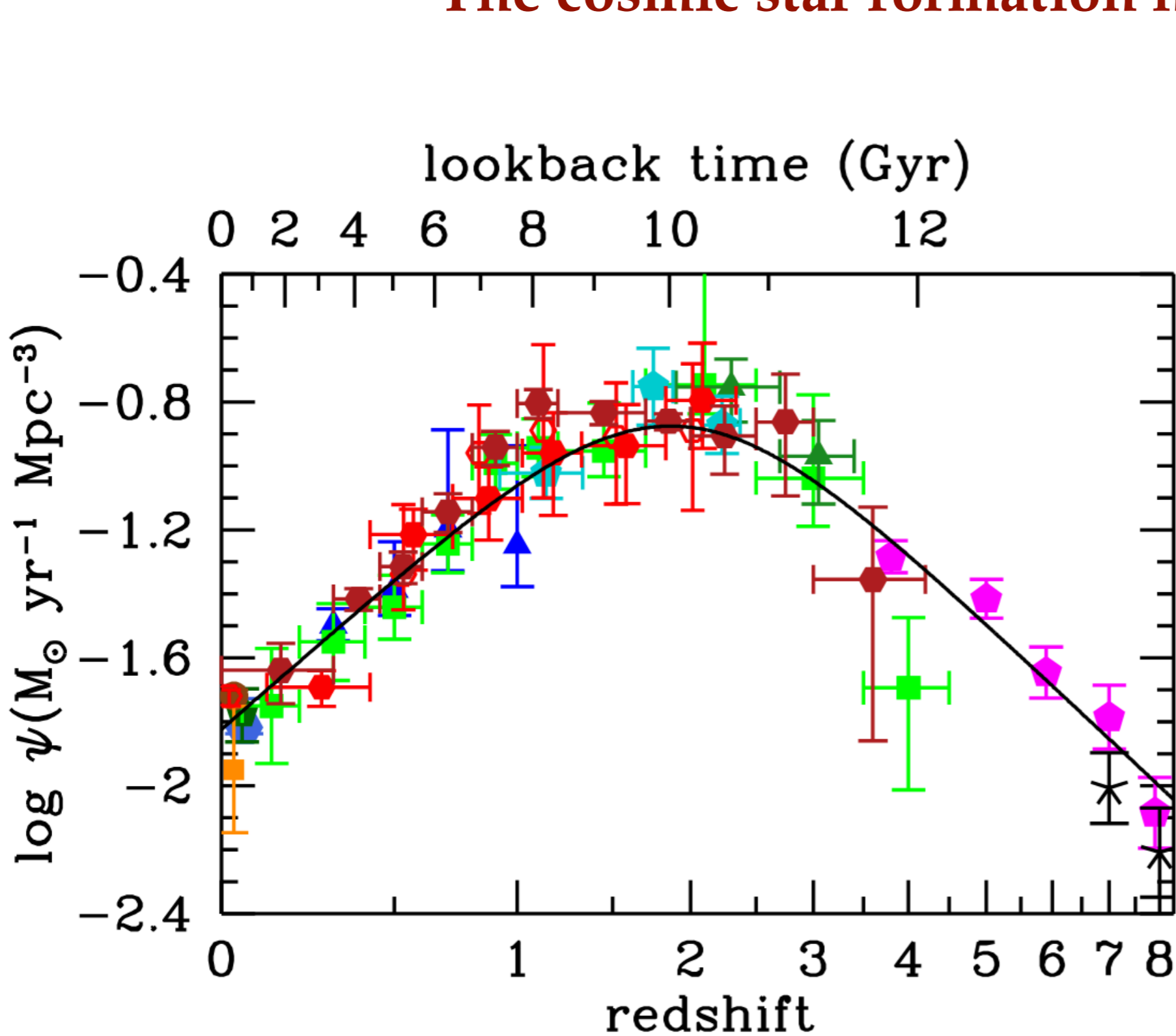
# The cosmic star formation history



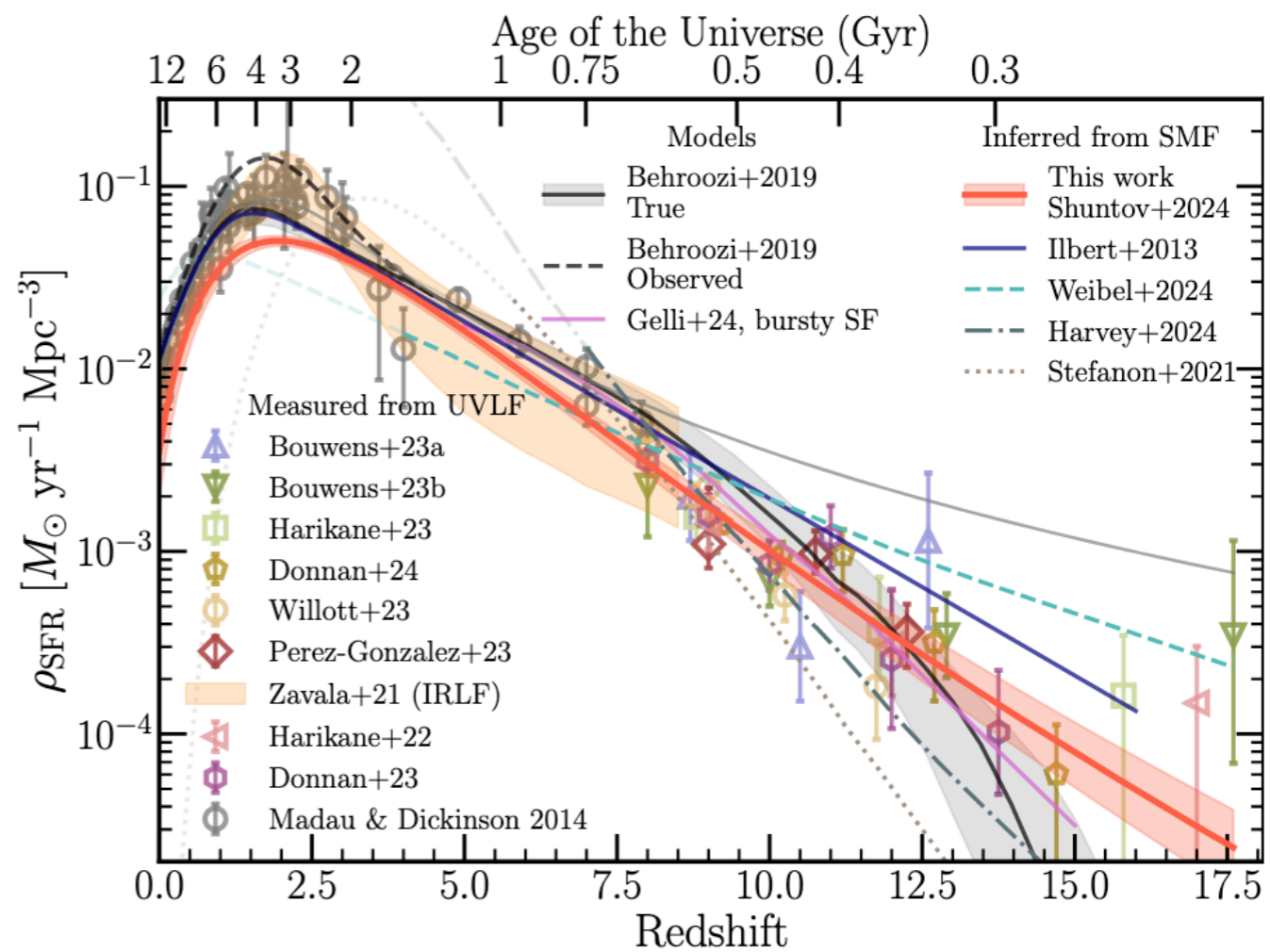
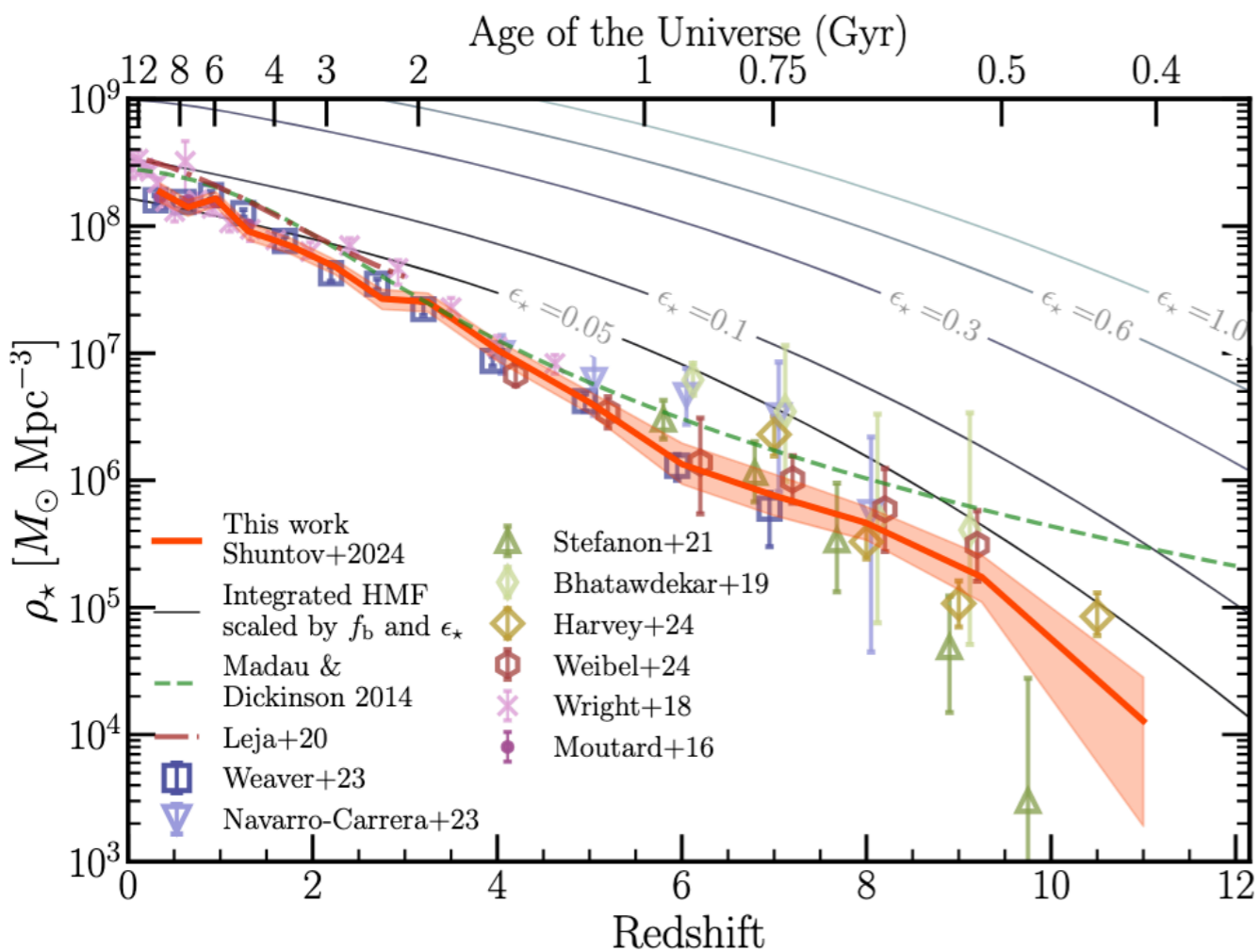
# The cosmic star formation history



# The cosmic star formation history

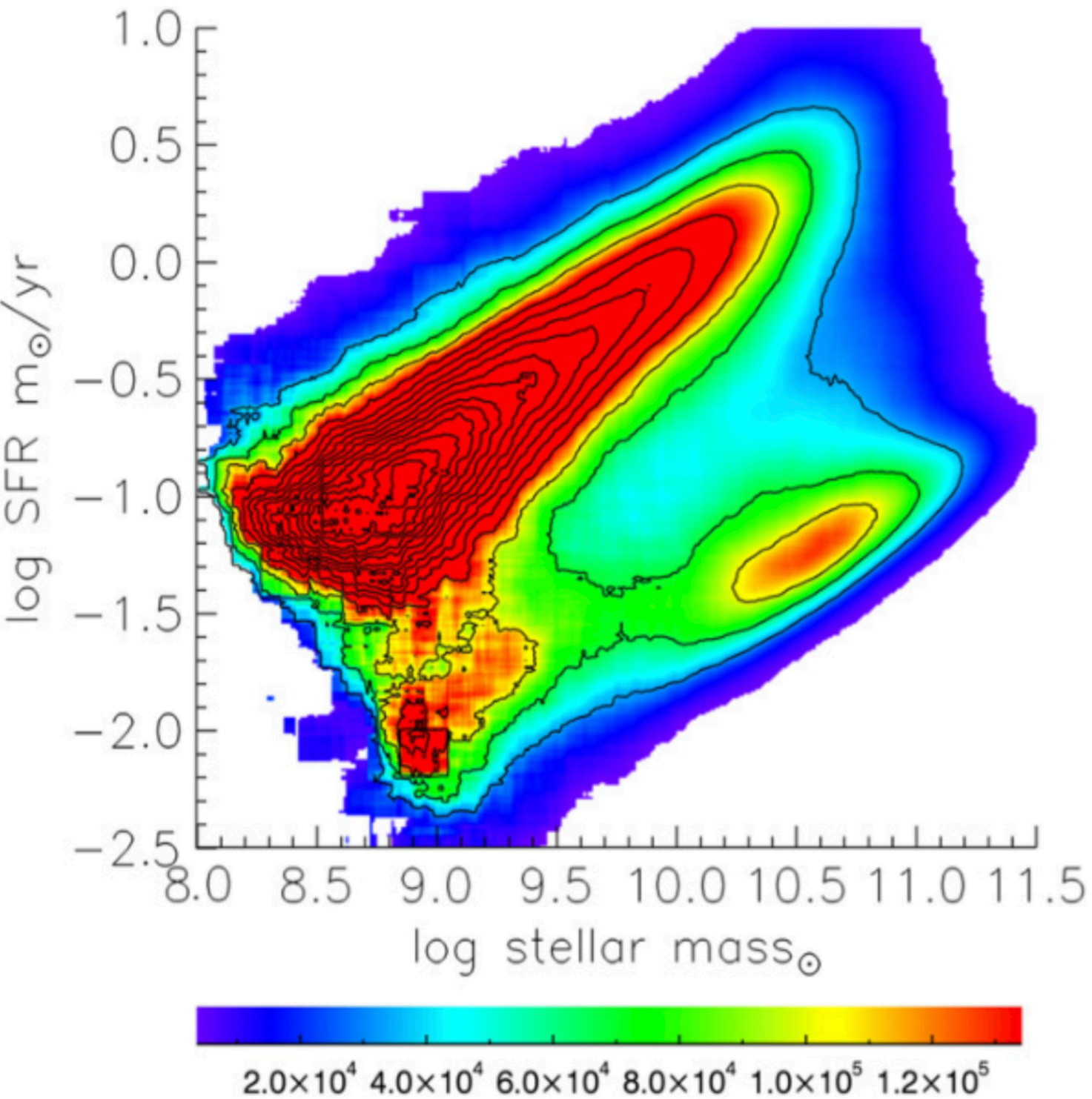


# The cosmic star formation history



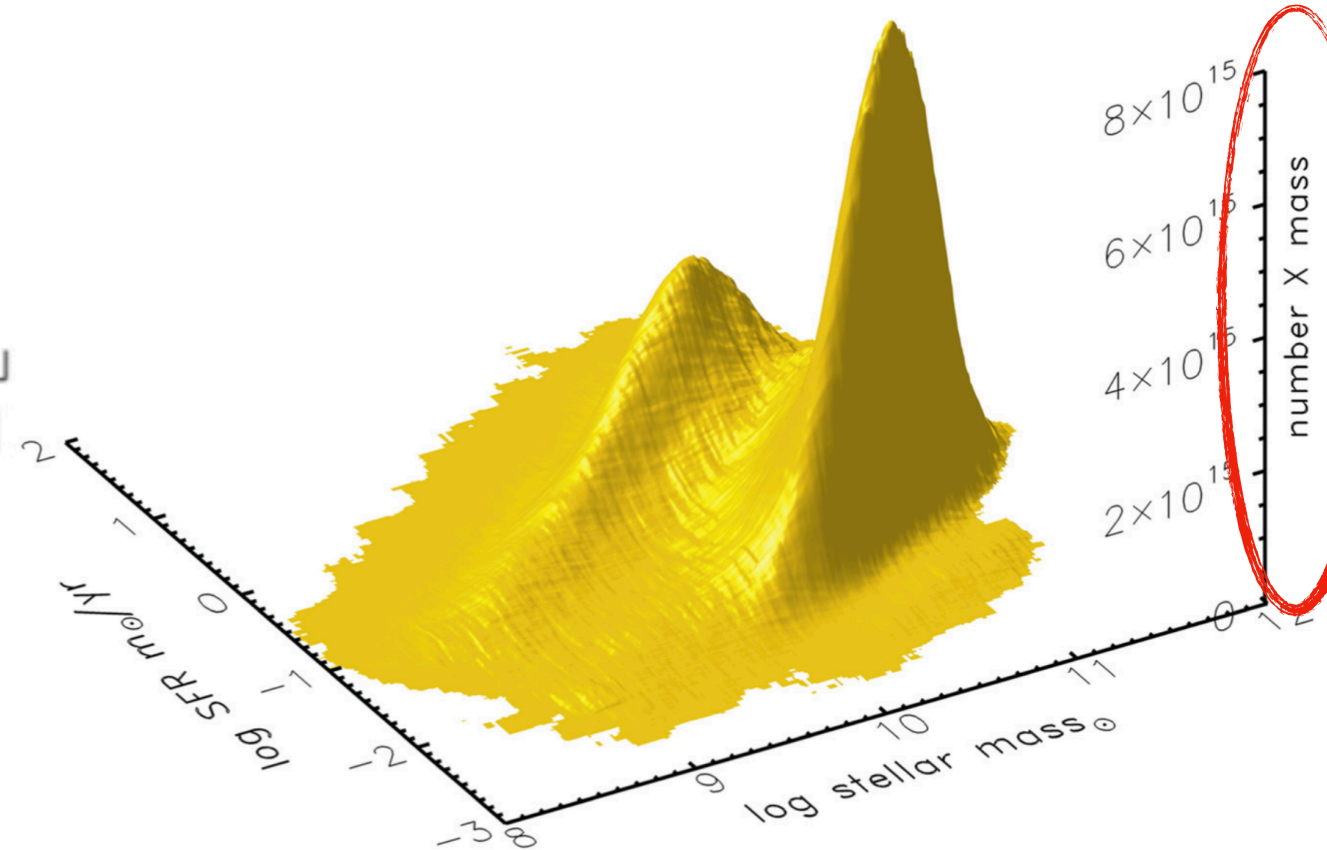
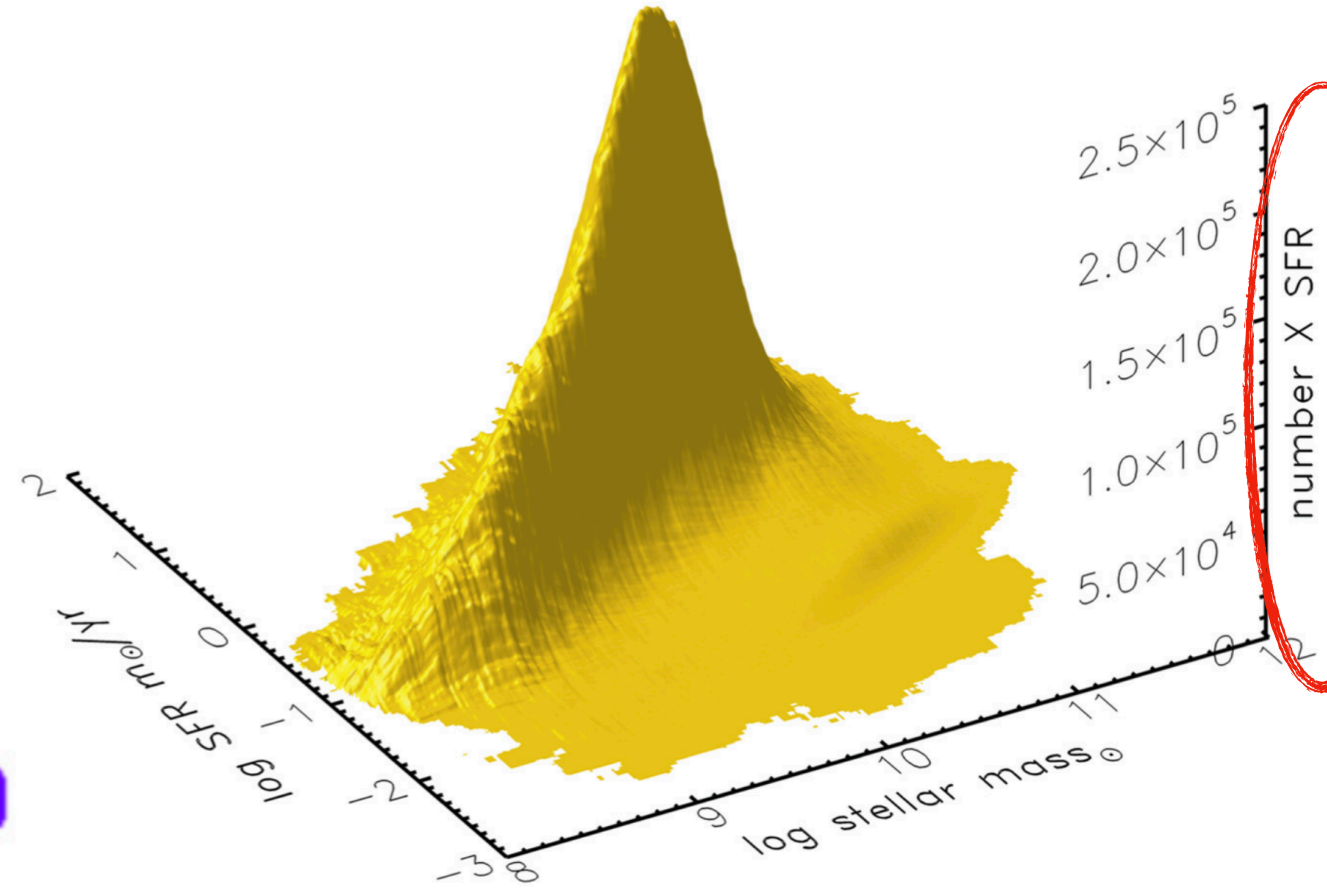
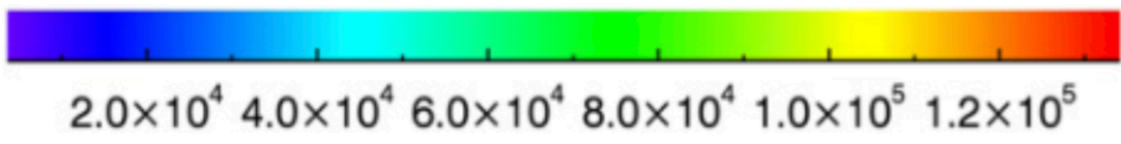
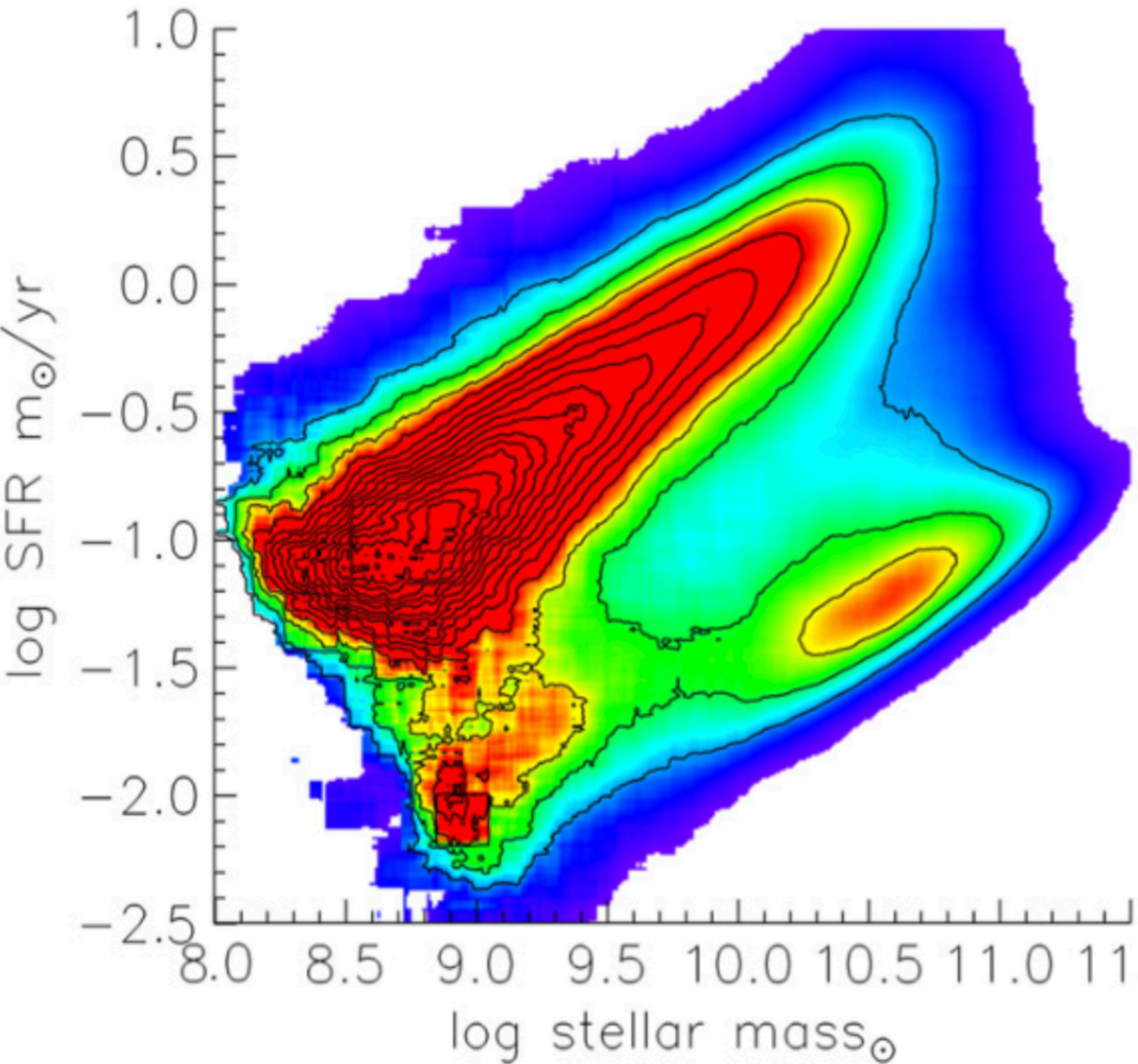
# The Main Sequence of star-forming galaxies

$z \sim 0$

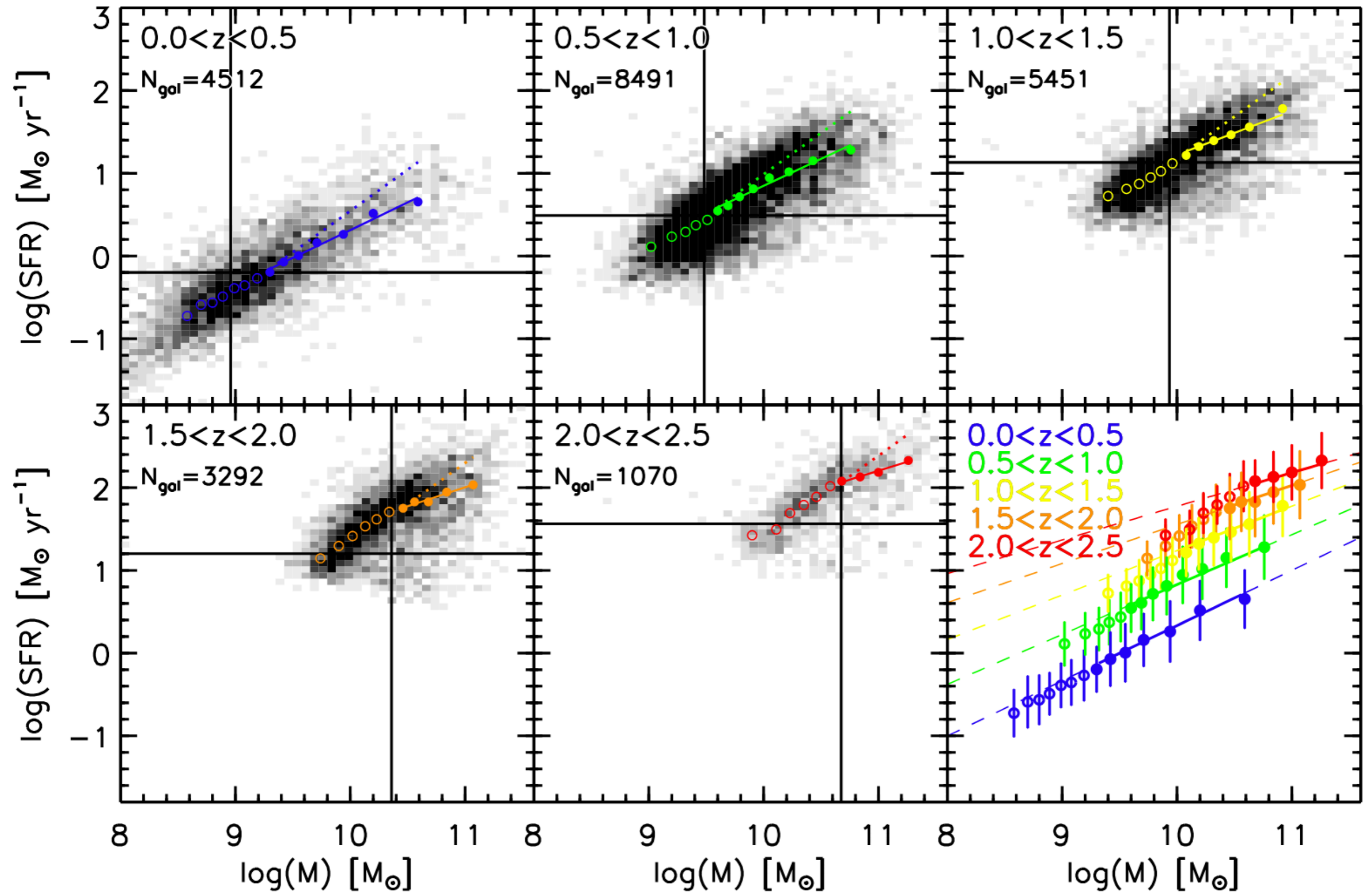


# The Main Sequence of star-forming galaxies

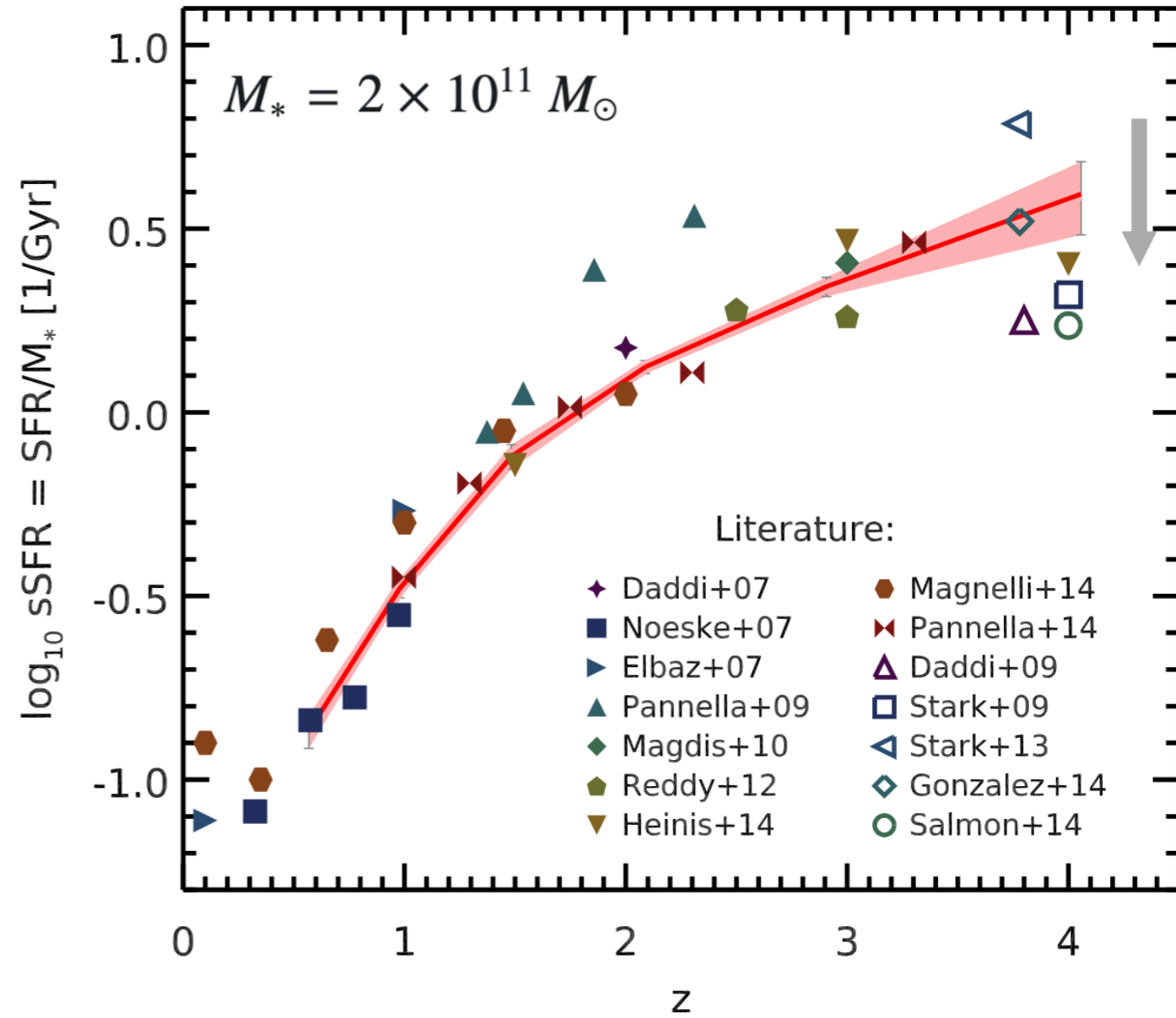
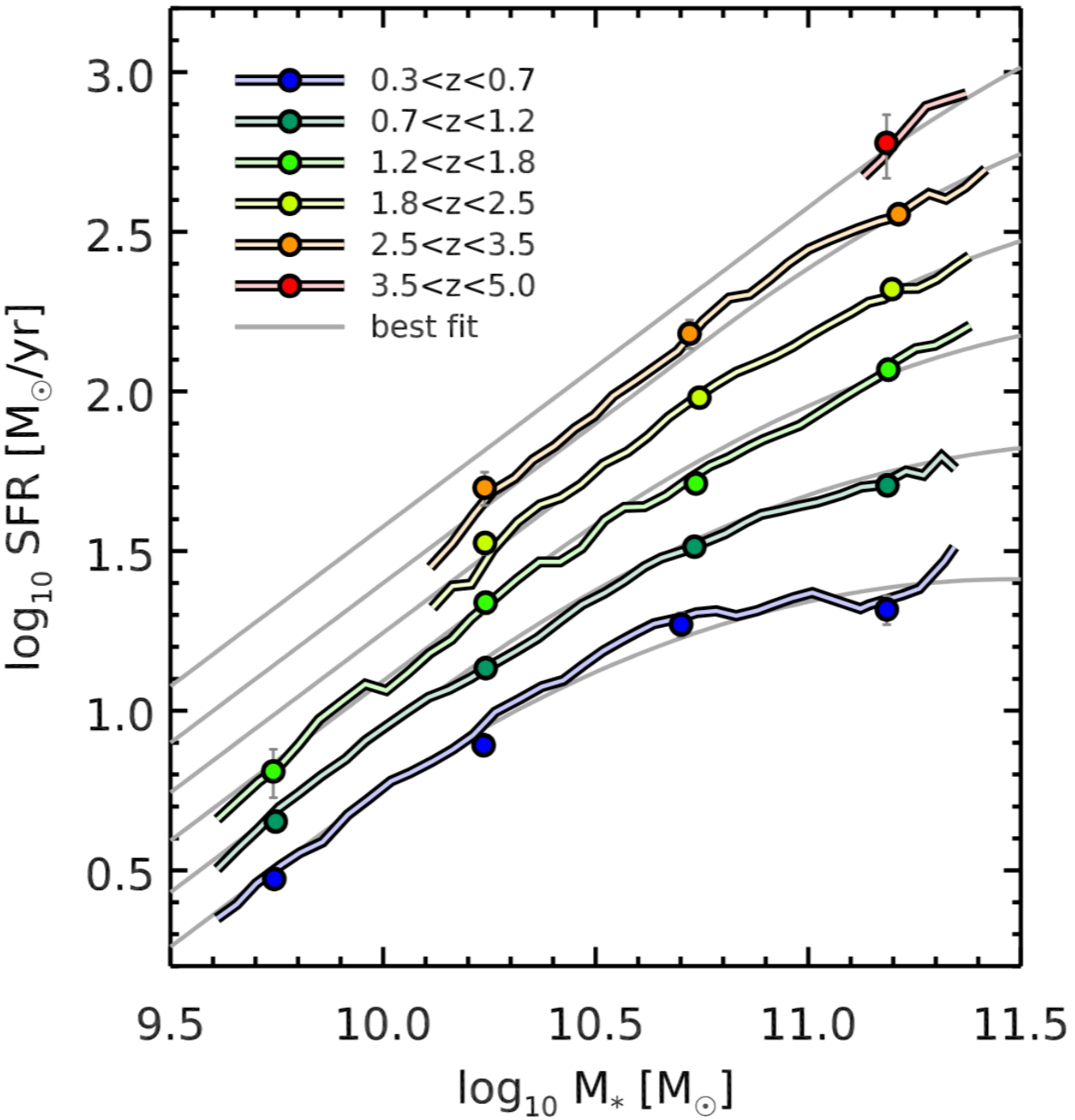
**z~0**



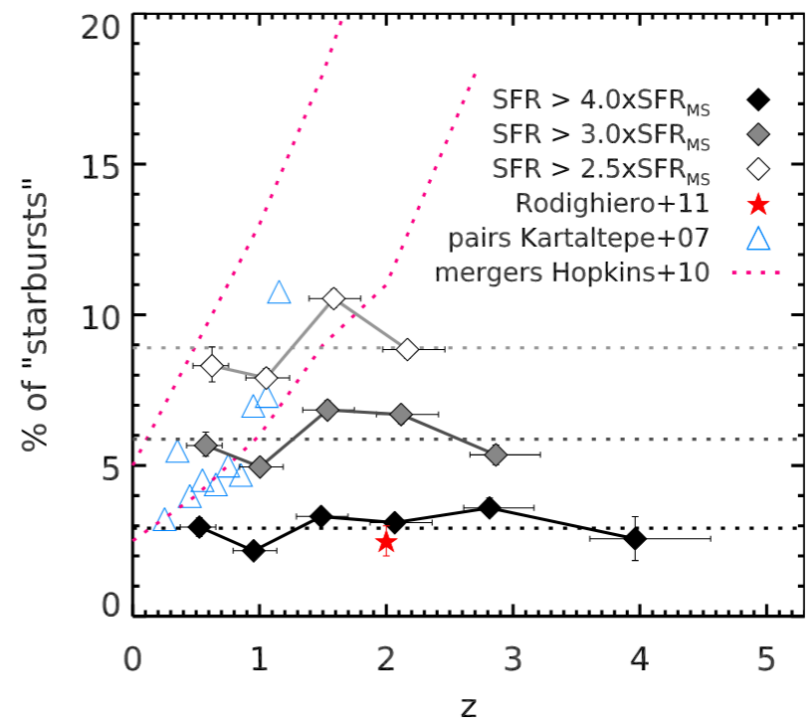
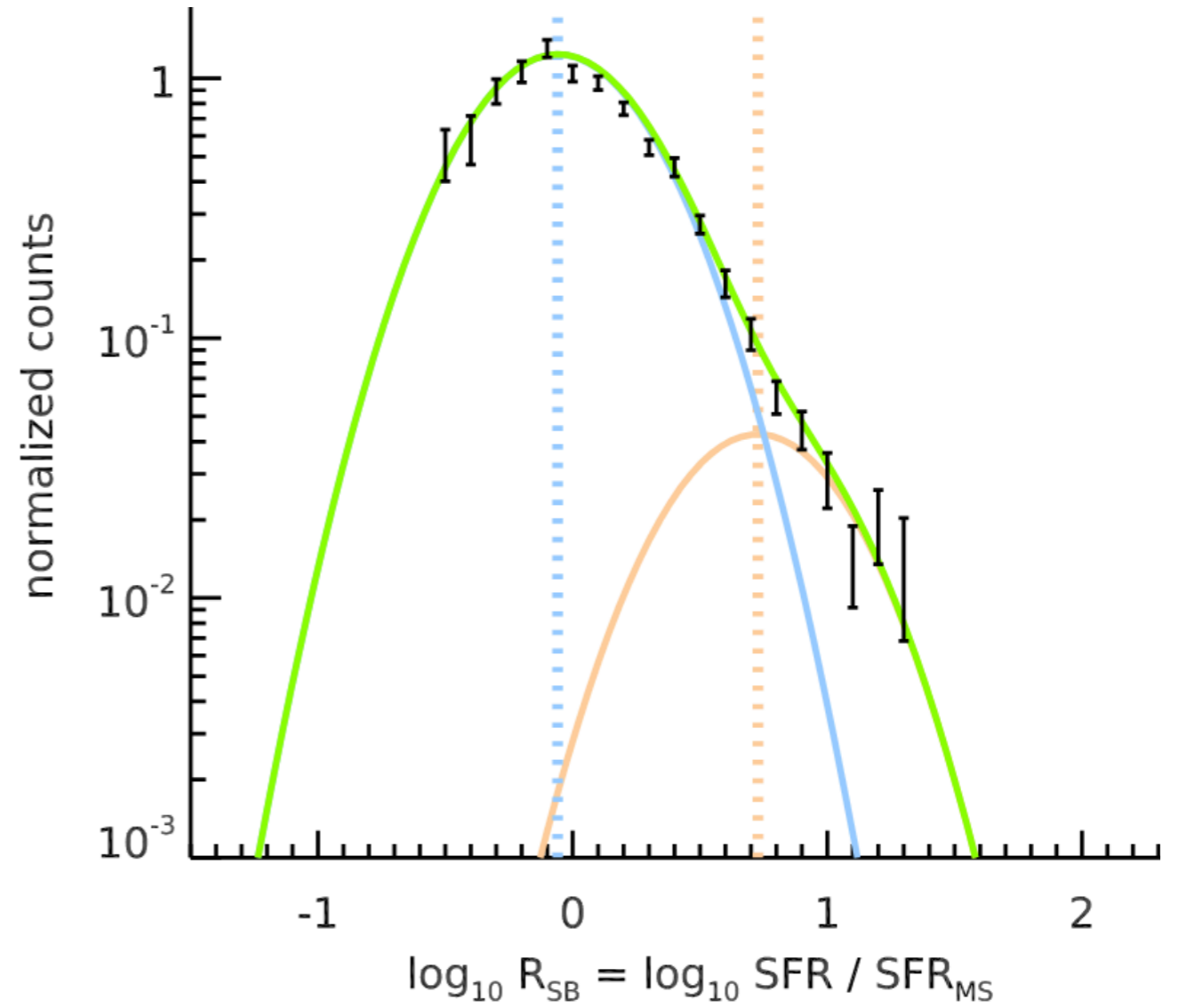
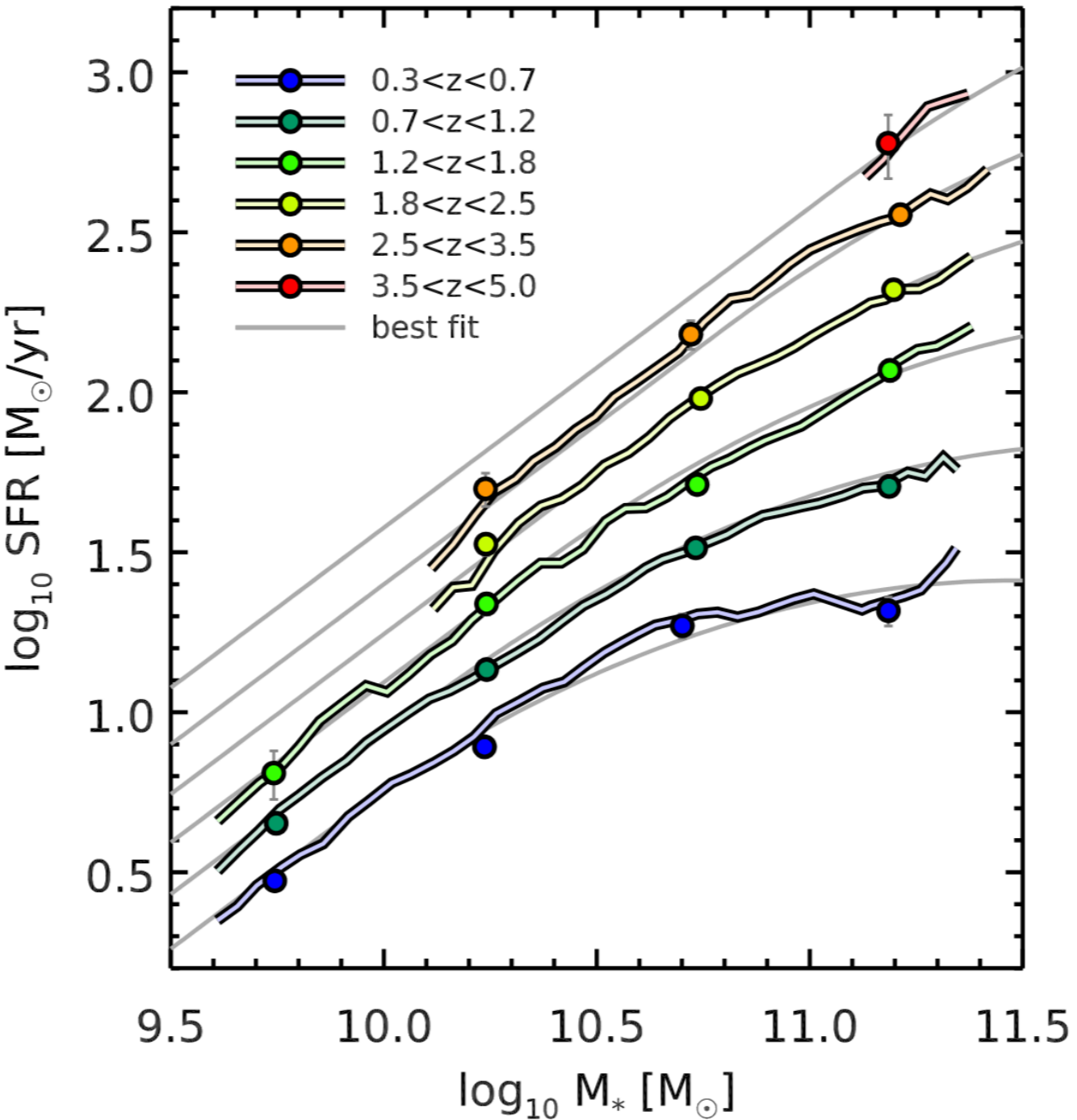
# The Main Sequence of star-forming galaxies



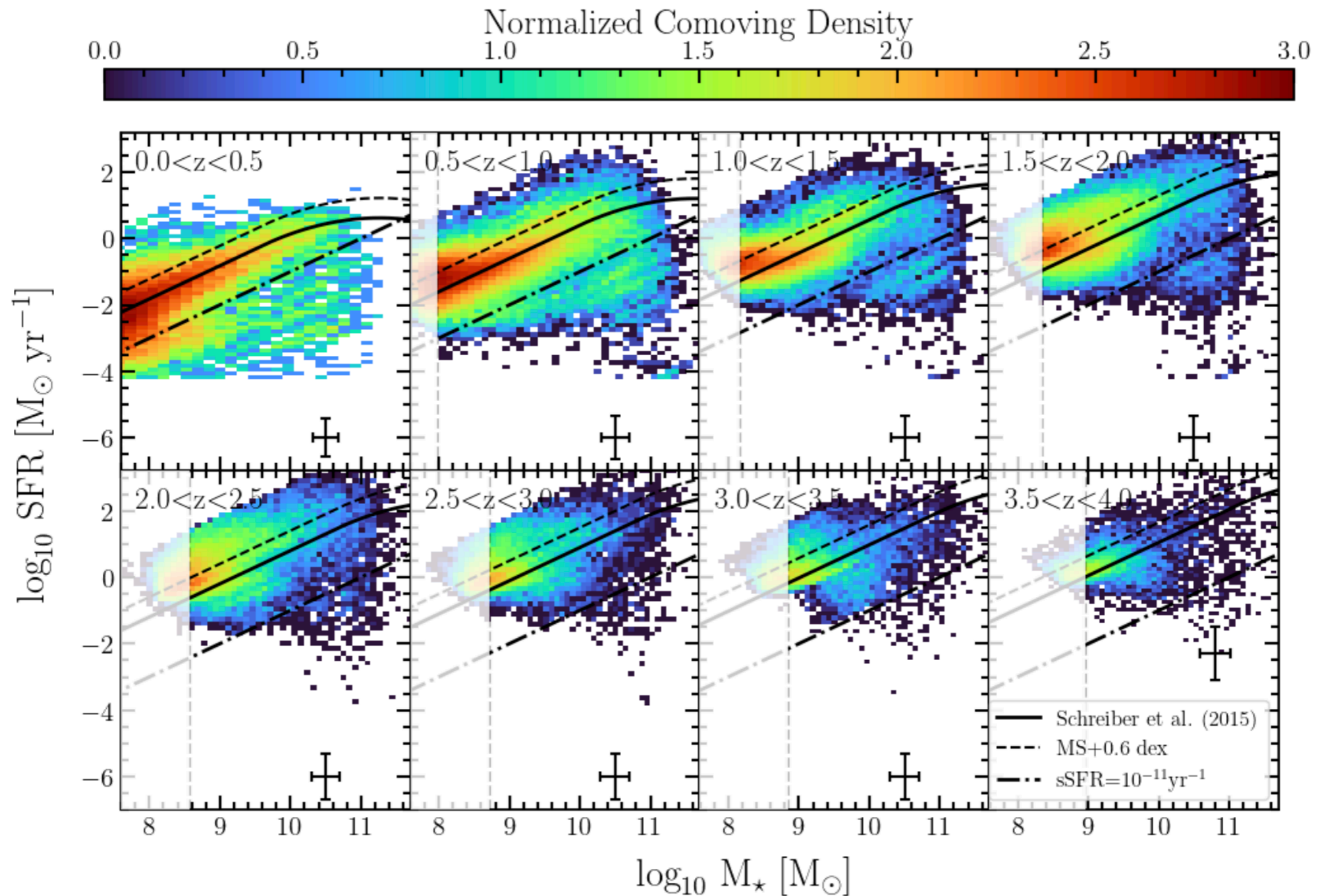
# The Main Sequence of star-forming galaxies



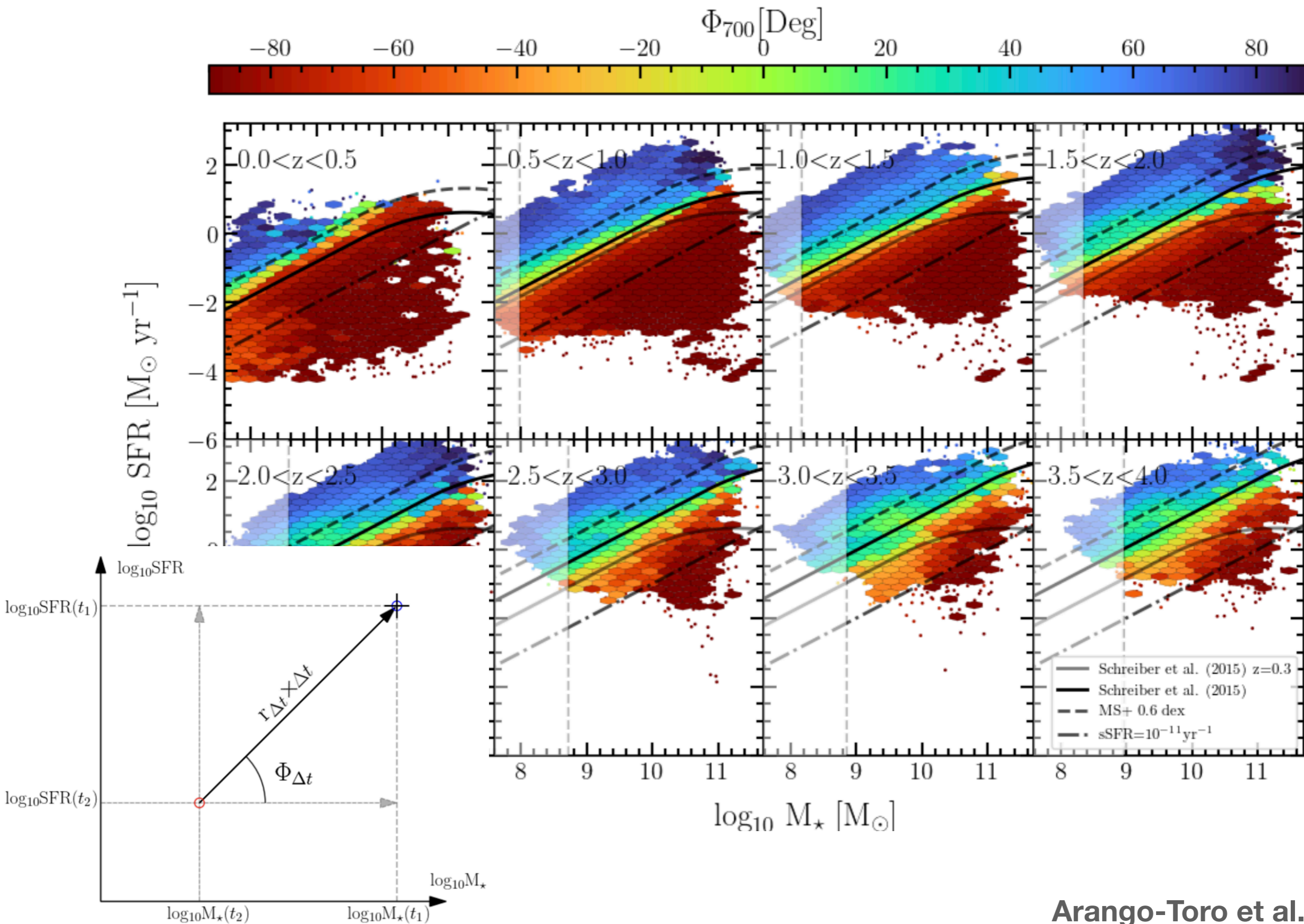
# The Main Sequence of star-forming galaxies



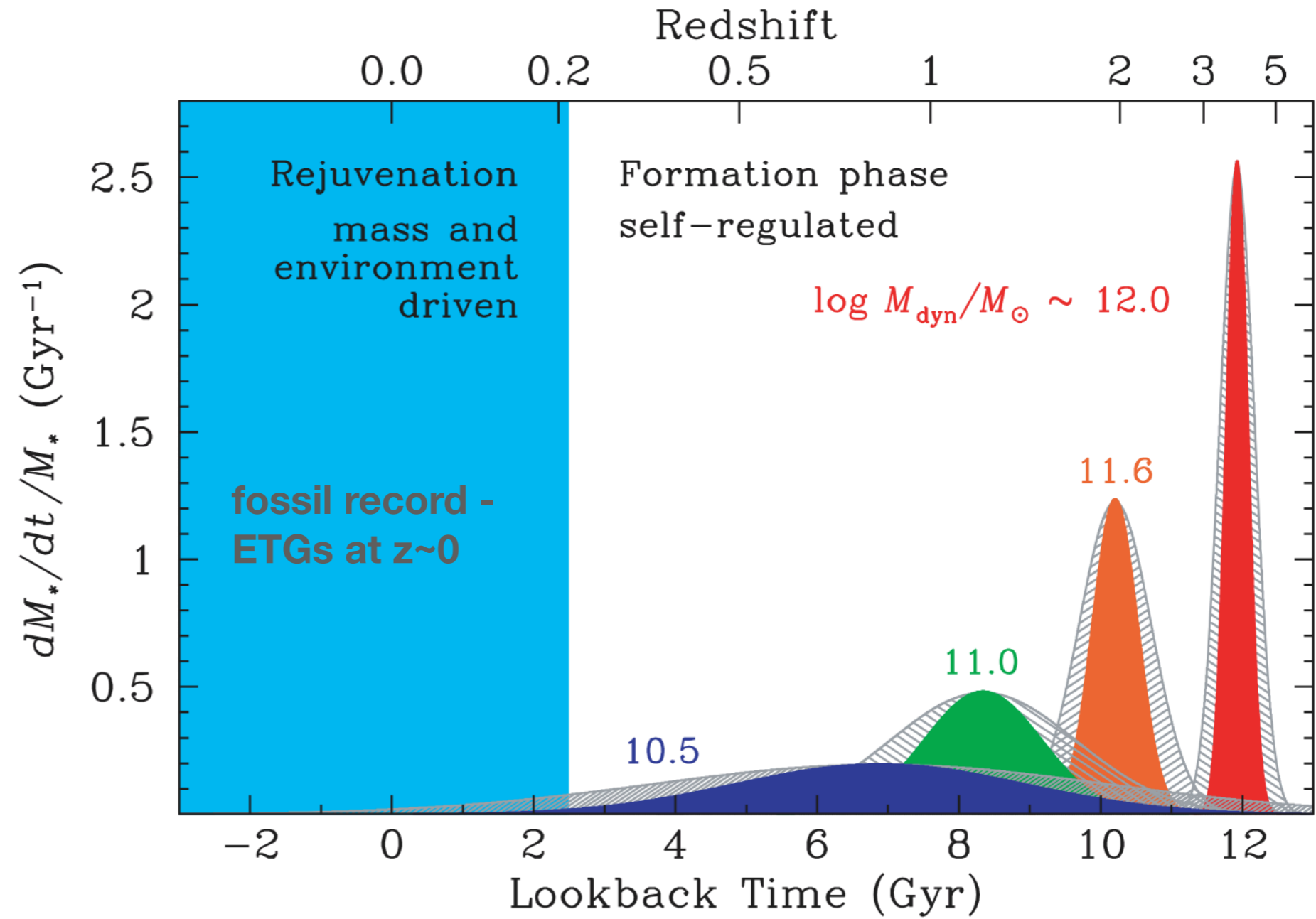
# Evolution of the Main Sequence of star-forming galaxies



# Evolution of the Main Sequence of star-forming galaxies

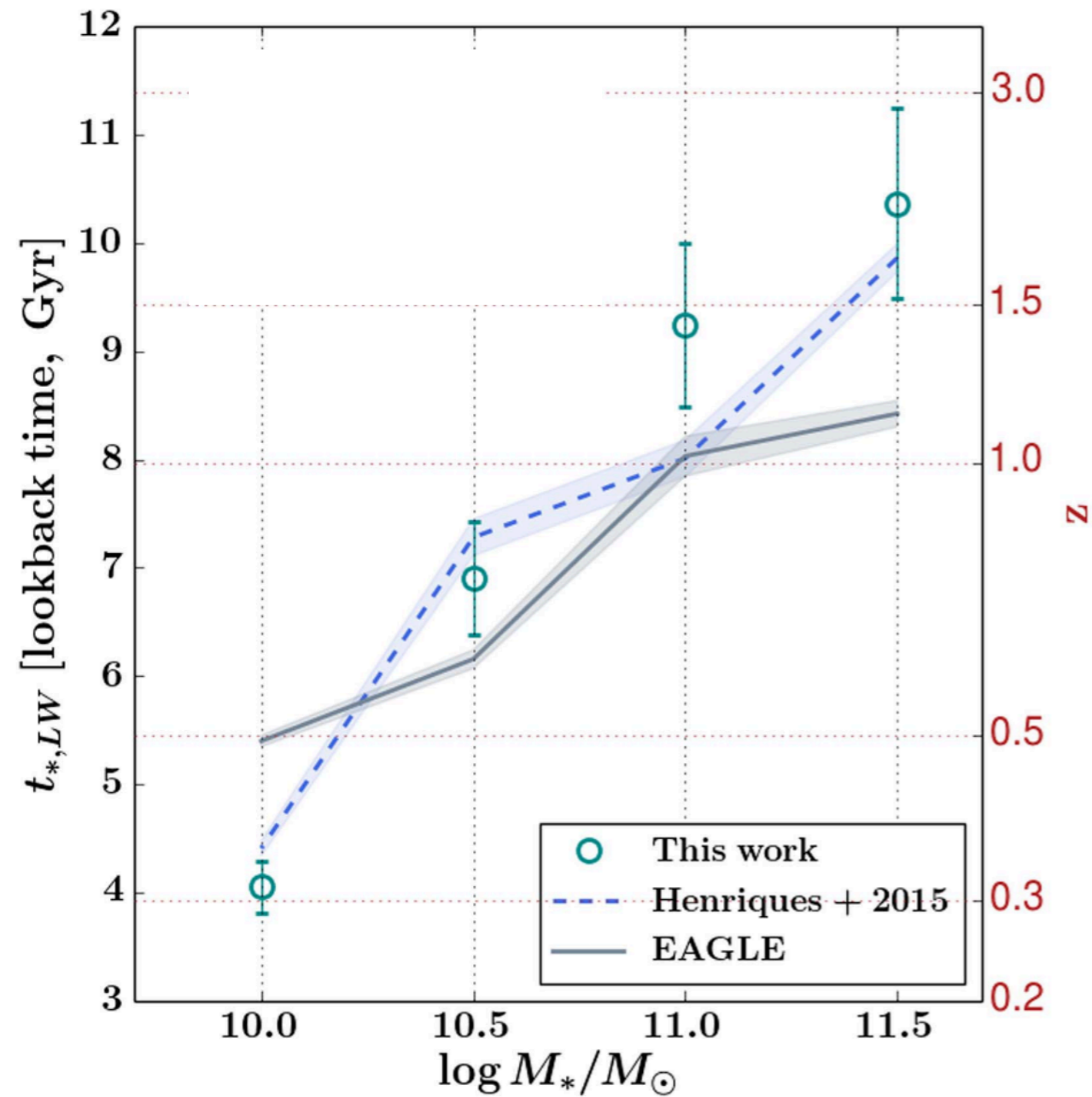


# age / SFH vs stellar mass

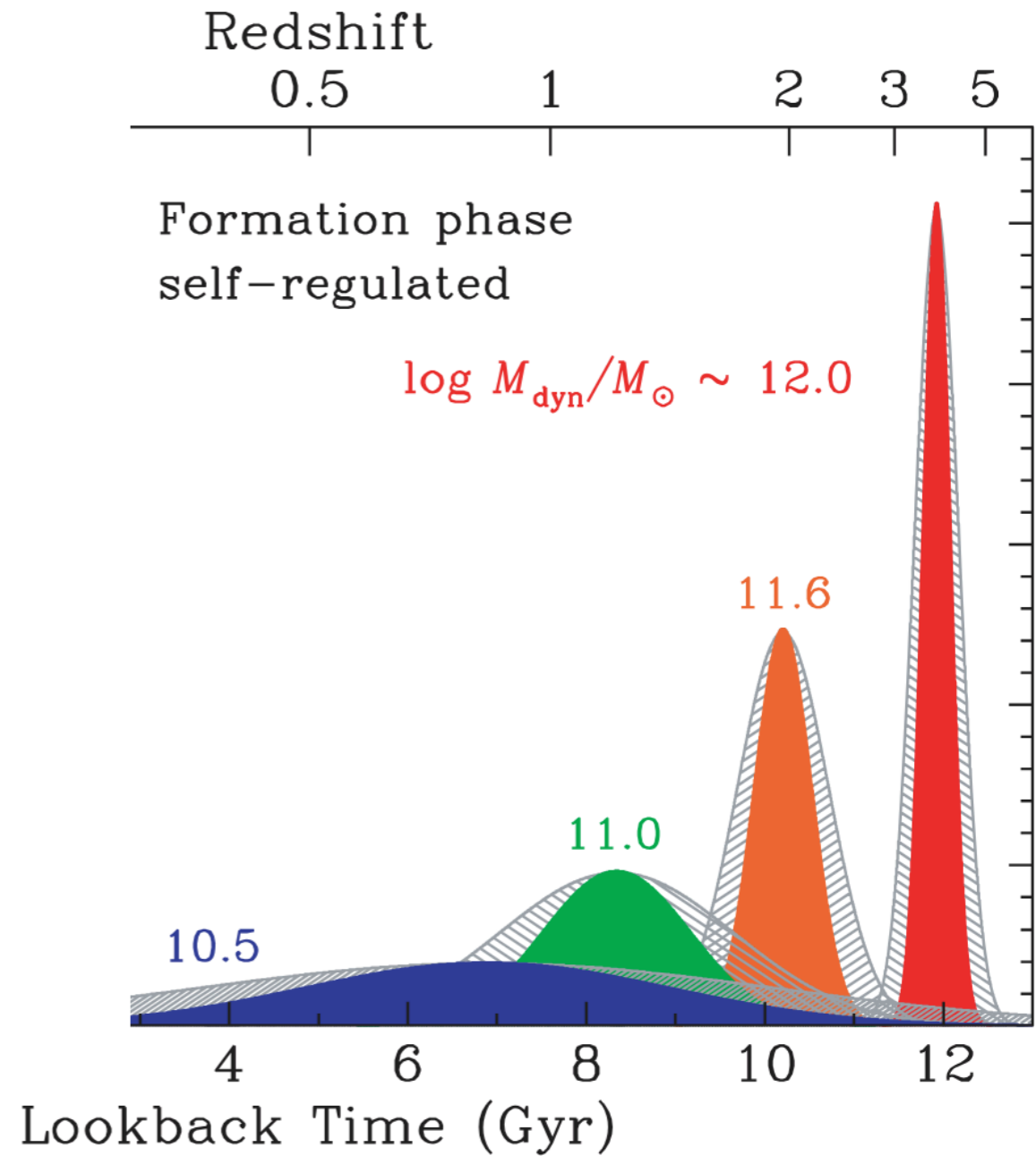


Thomas et al. 2010

# age / SFH vs stellar mass

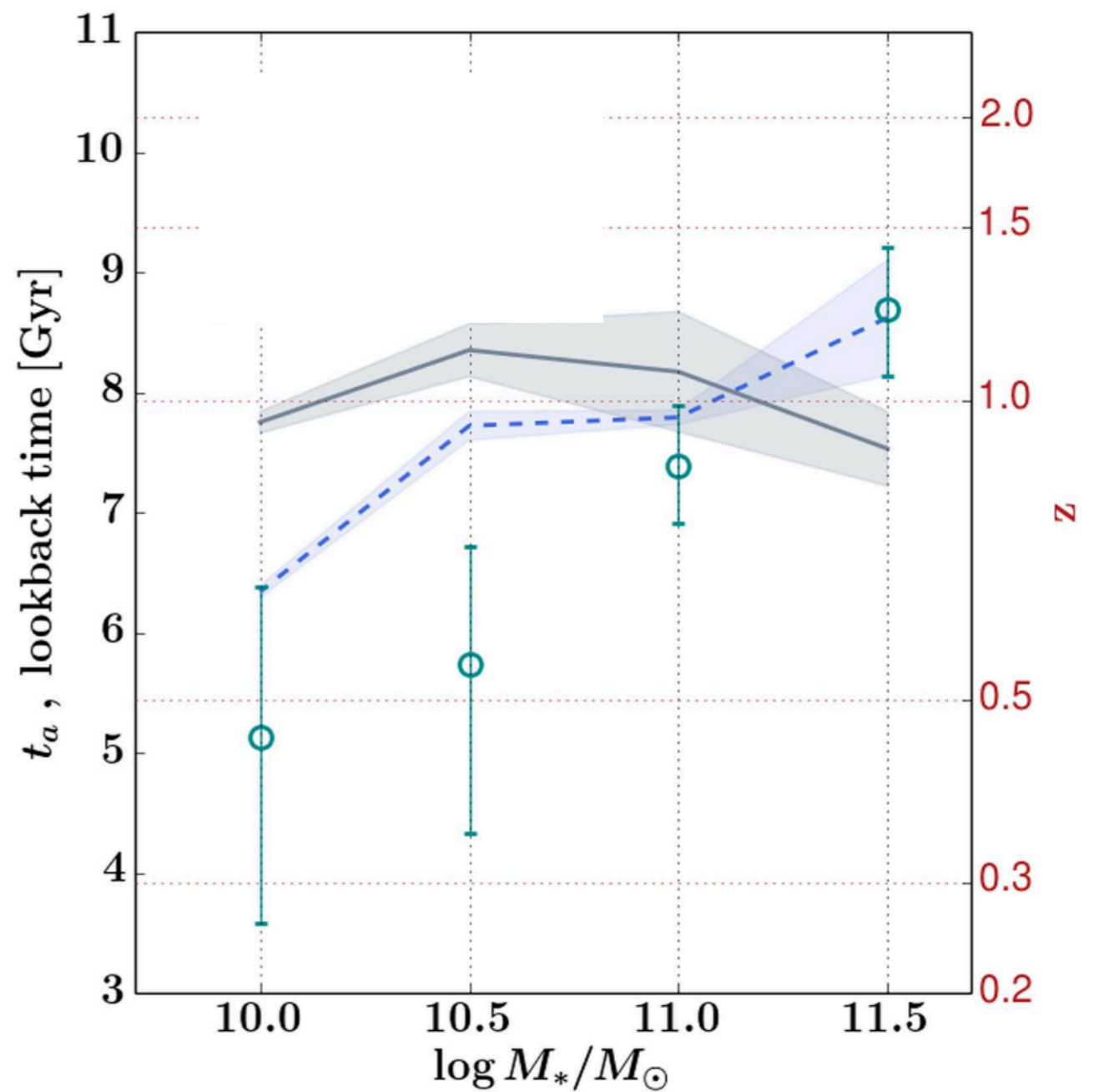
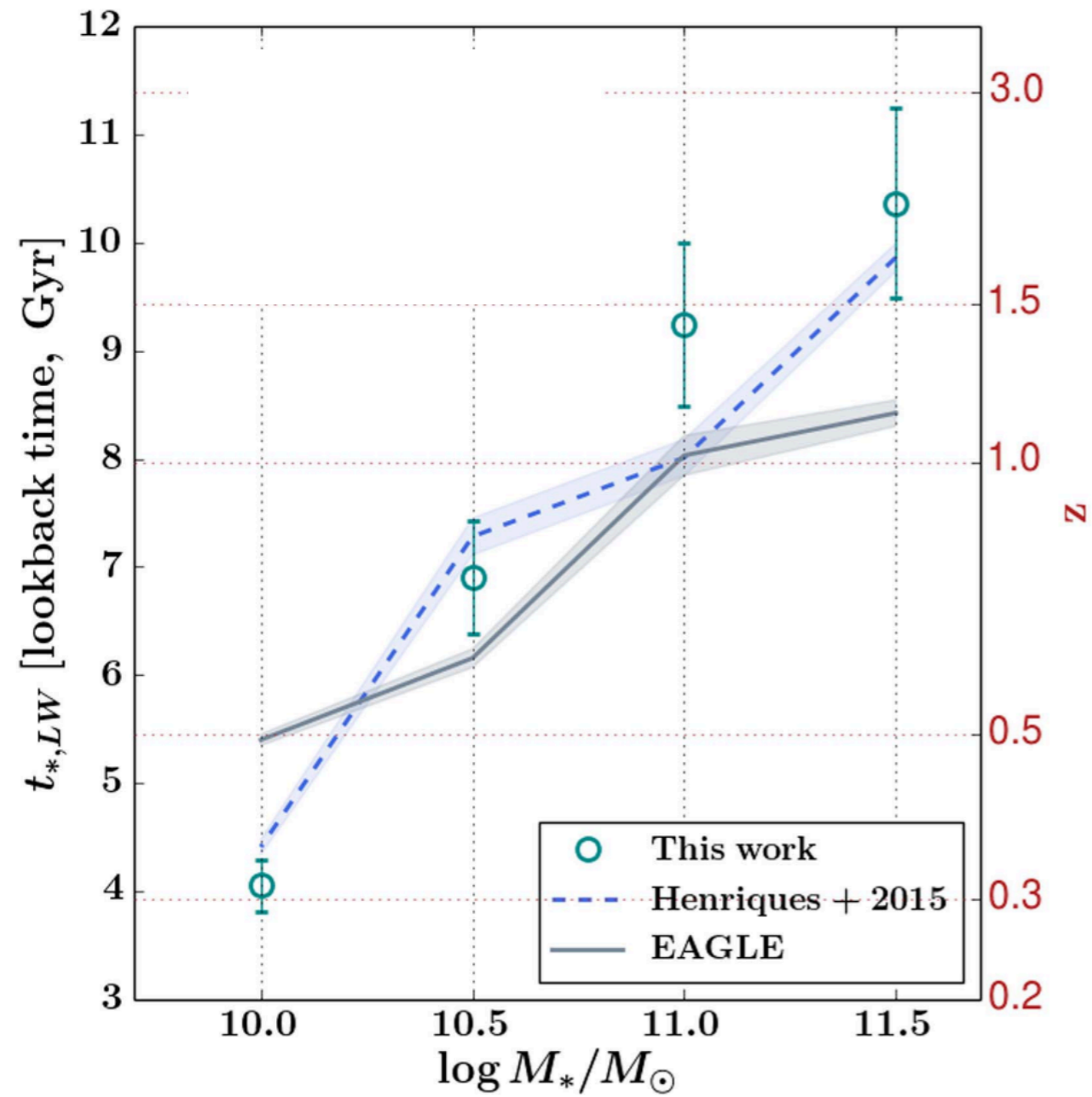


Hill et al. 2017



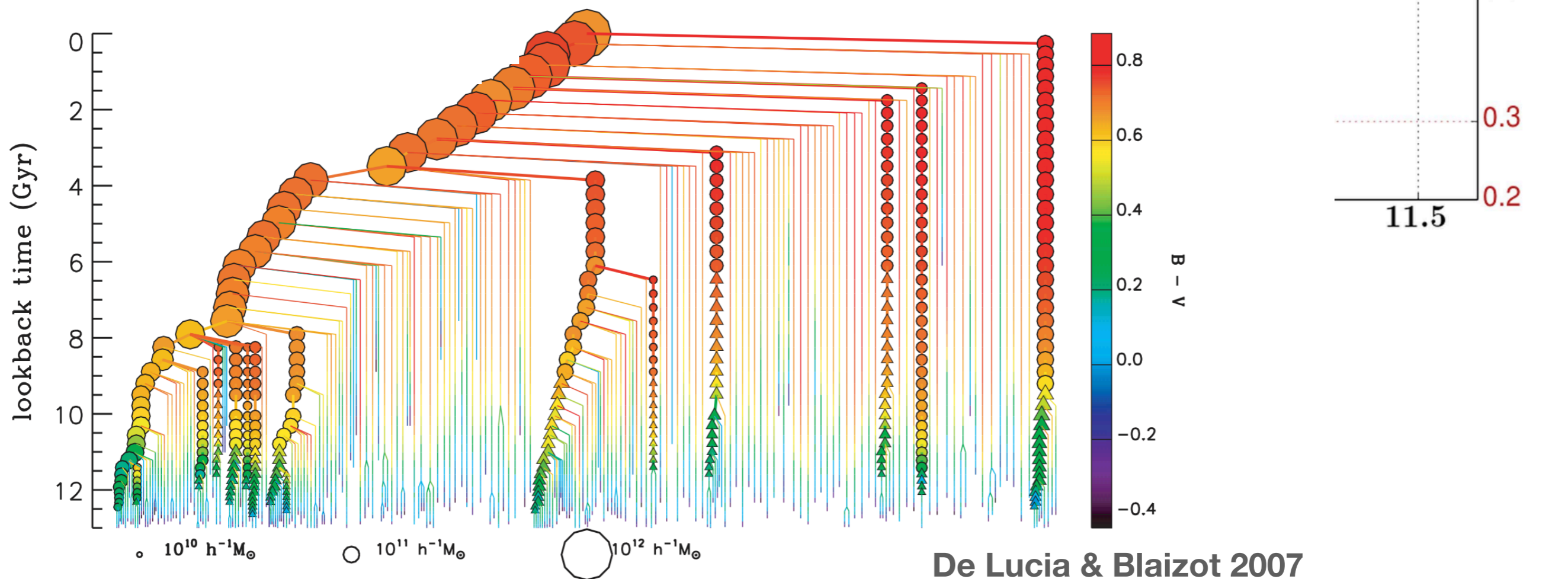
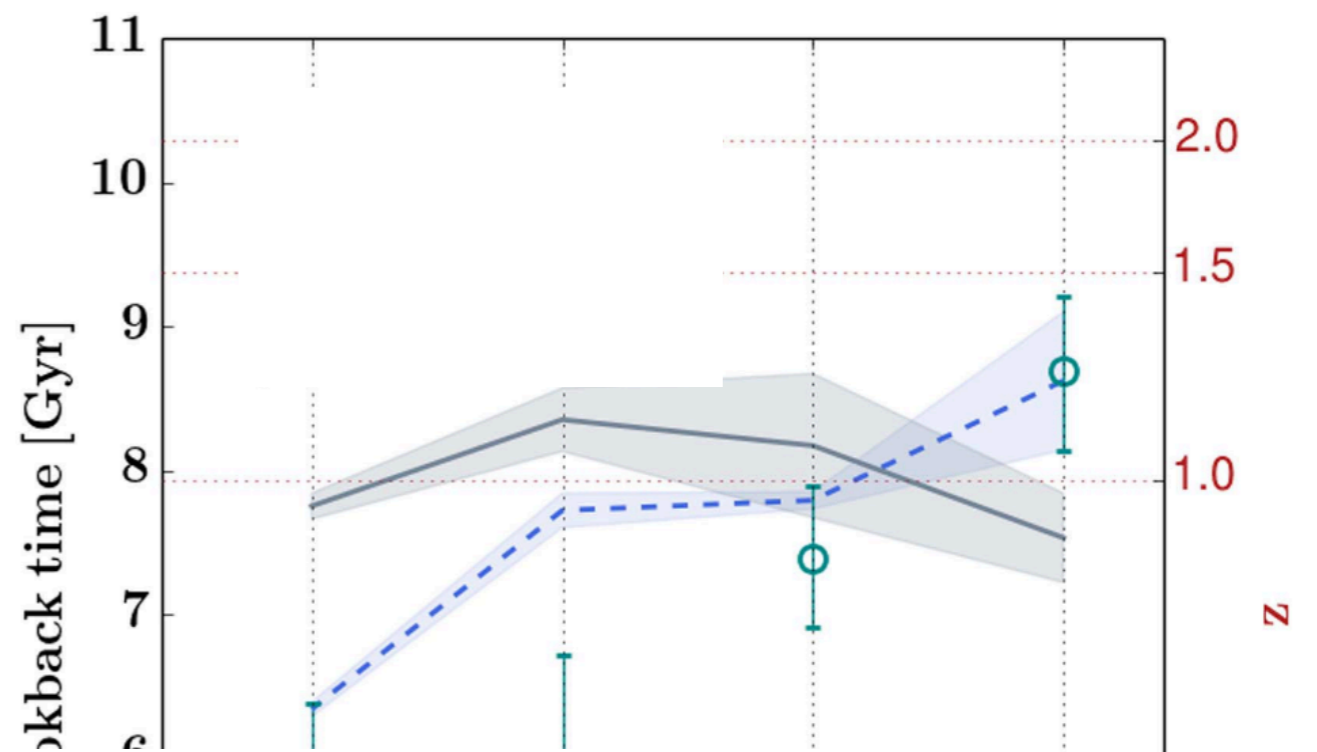
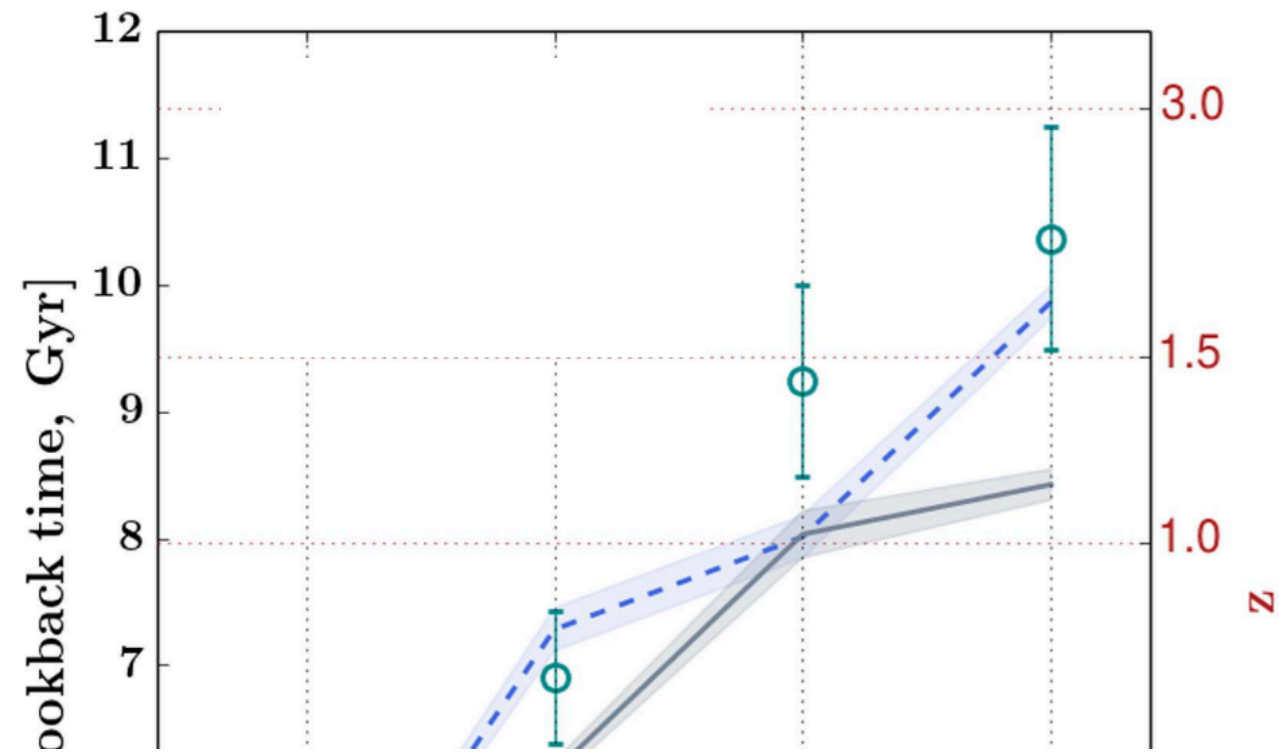
Thomas et al. 2010

# age/formation time vs assembly time



Hill et al. 2017

# age/formation time vs assembly time



# age/formation time vs assembly time

