

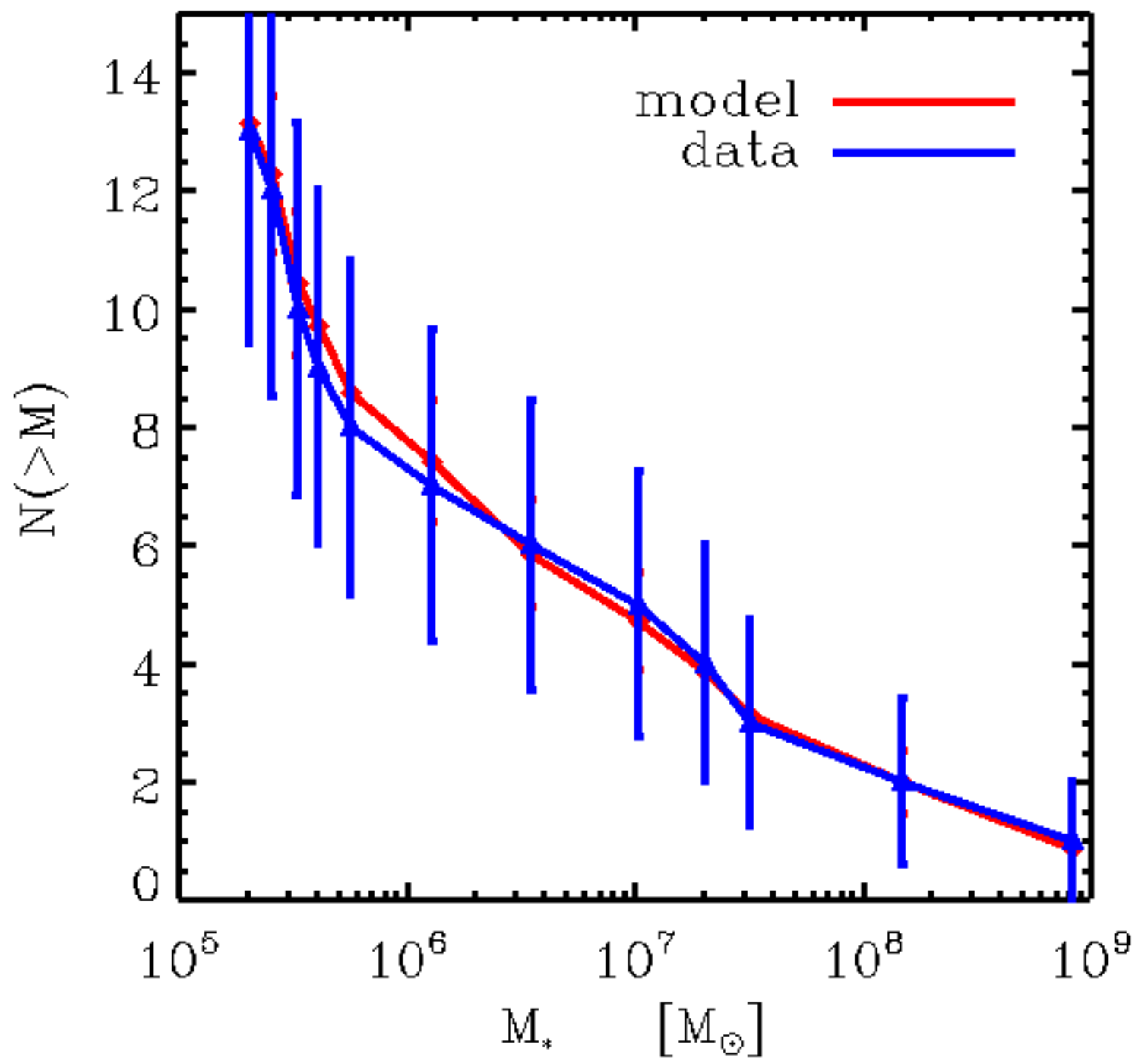
# MCMC run for MW satellite stellar mass function

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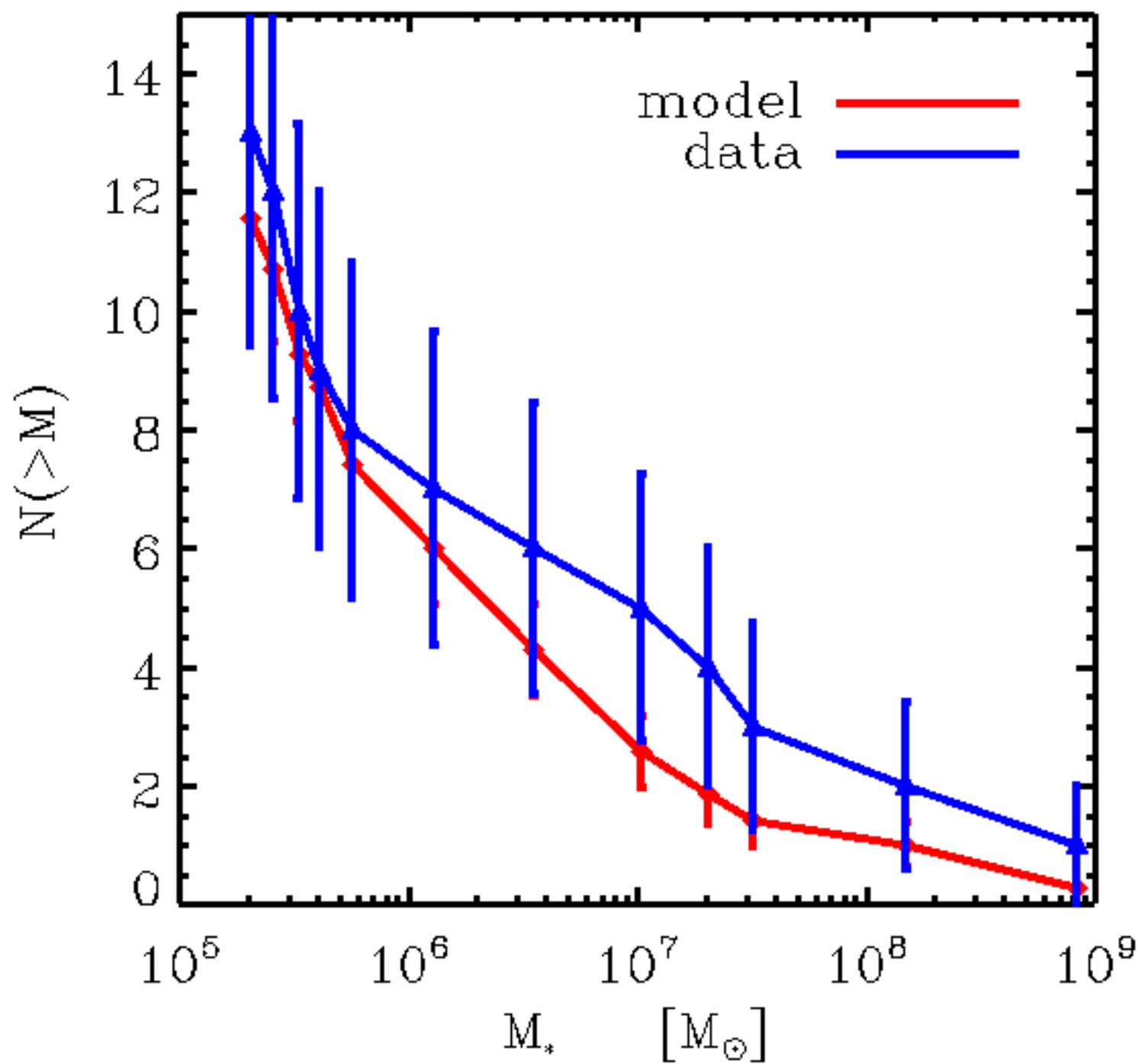
Updated Apr 20th, 2015

1). Merger tree set 1: 7 MW simulation merger trees. These trees contain massive subhalos that can host LMC/SMC.

a.1). best model satellite stellar mass function:

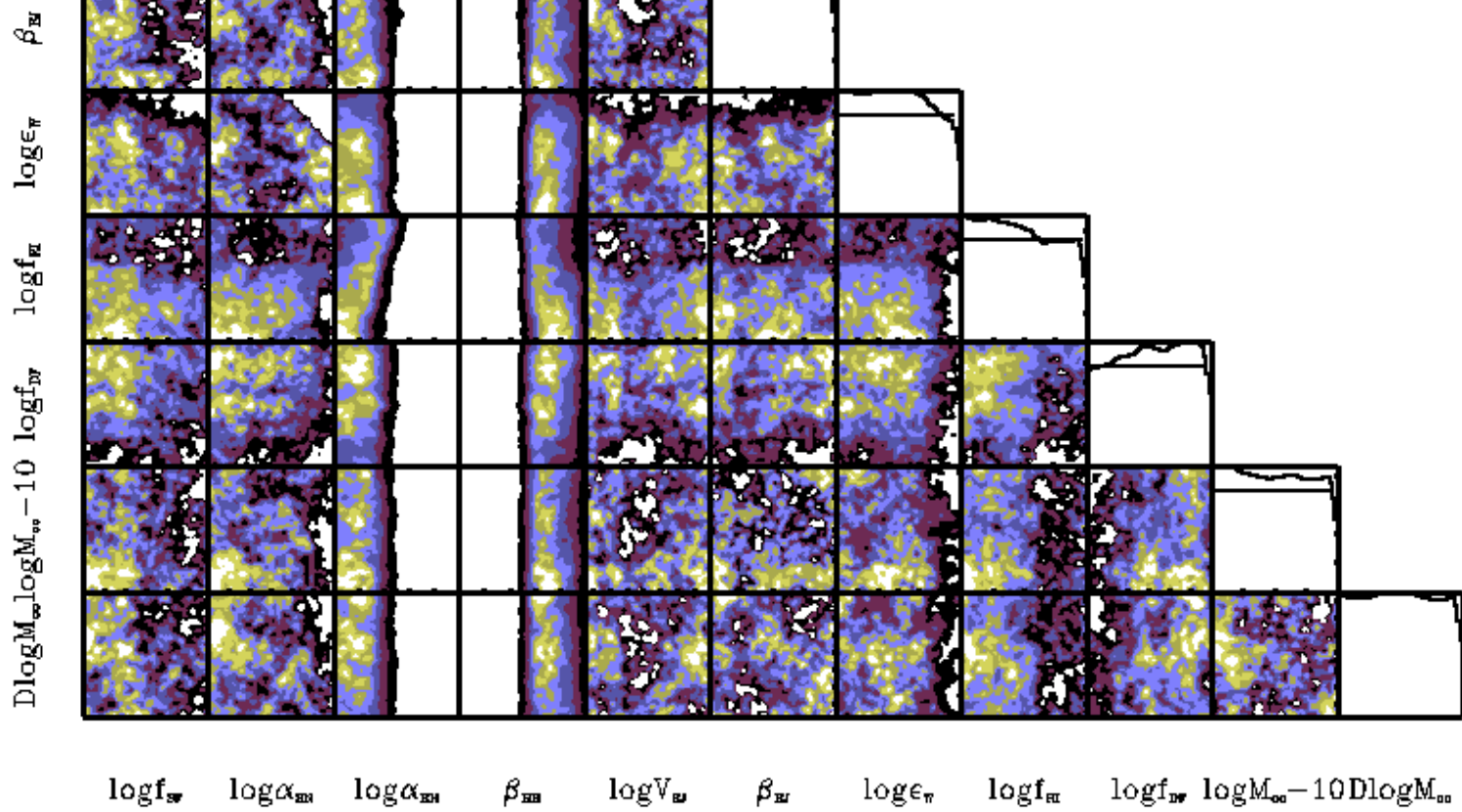


a.2). Apply the same model to merger tree set with not LMC/SMC subhalos:



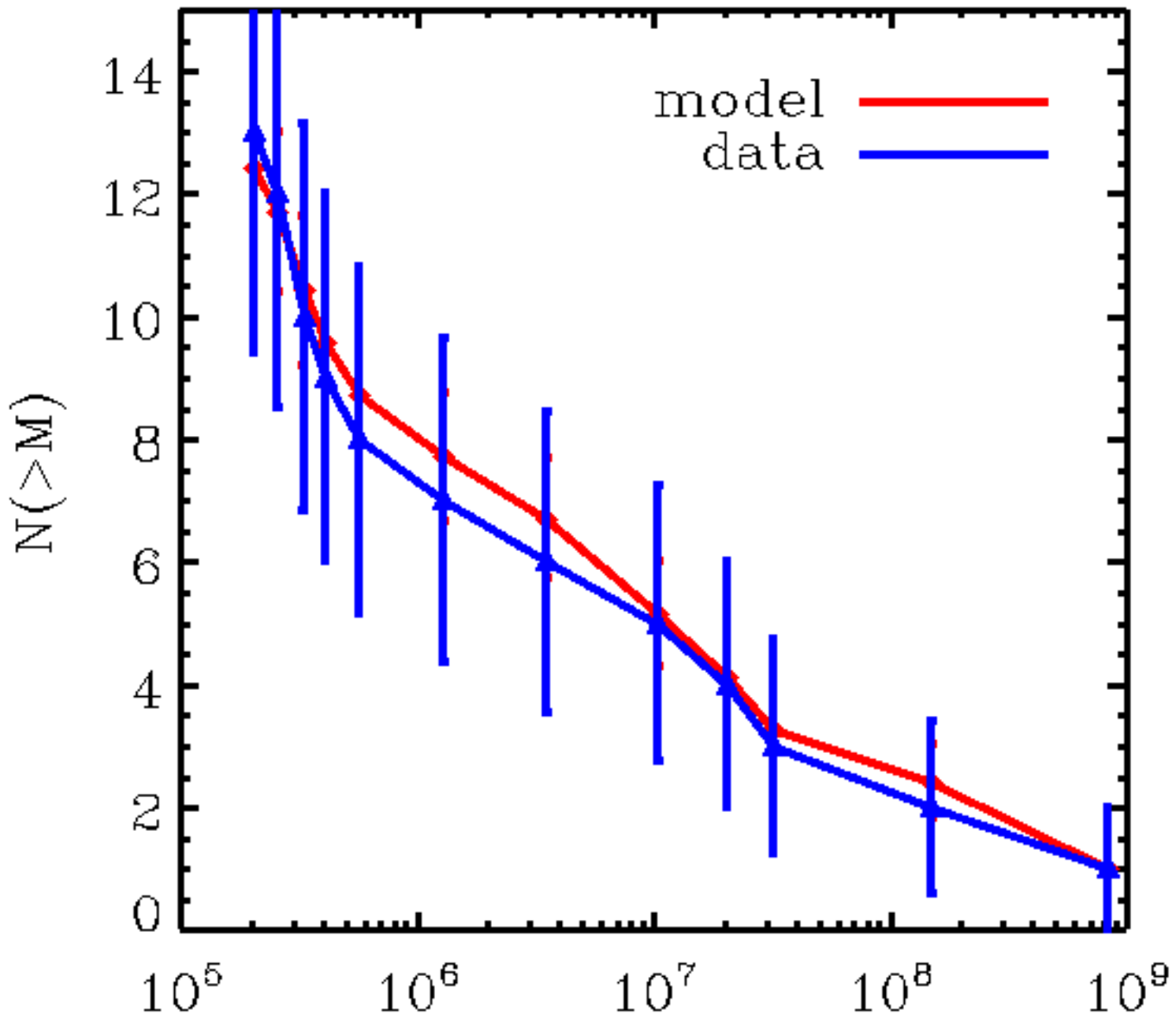
b). Posterior distribution





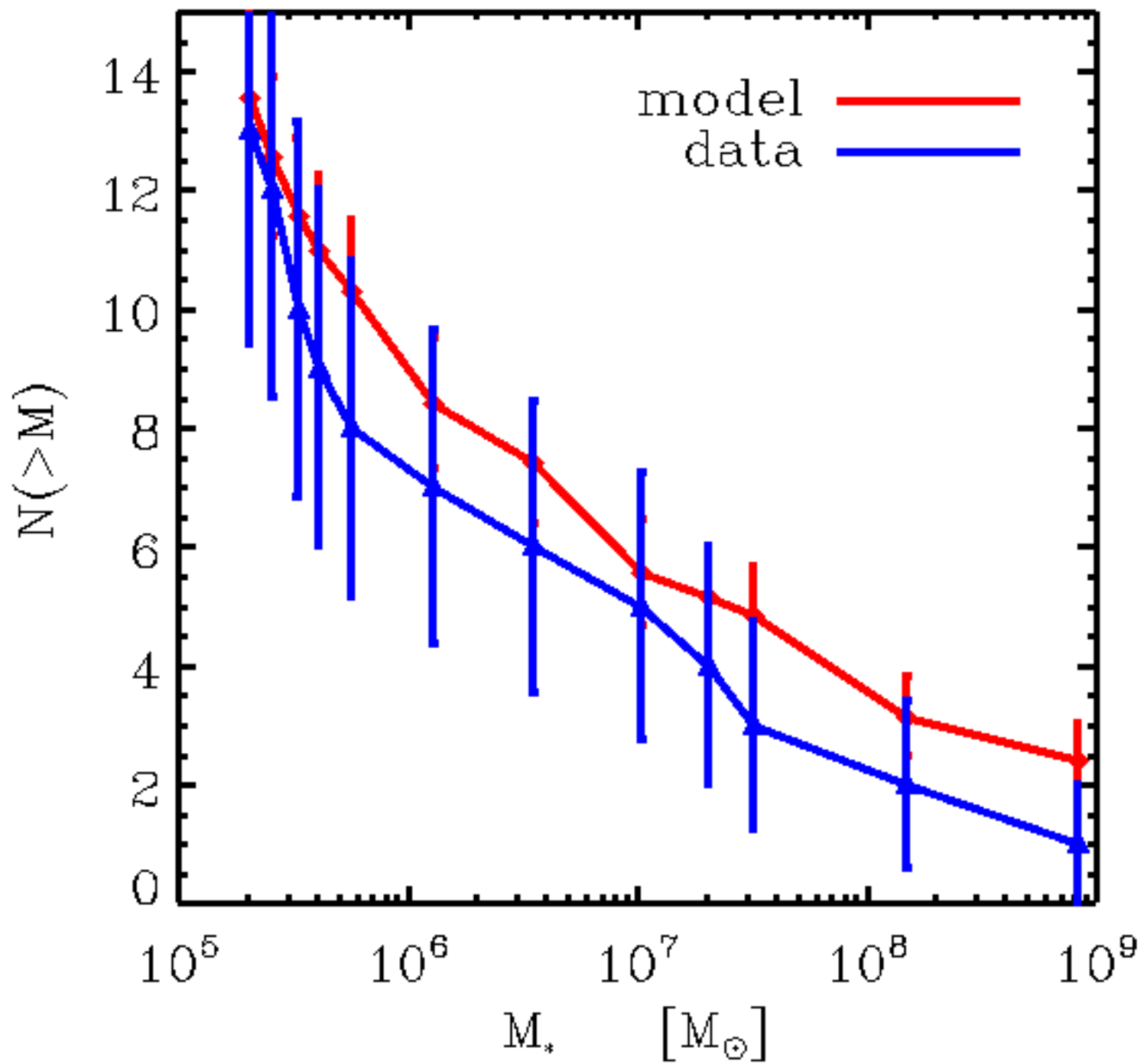
2). Merger tree set 2: 7 MW simulation merger trees. These trees do NOT contain massive subhalos. The formation time is systematically earlier.

a.1). Best model satellite stellar mass function:

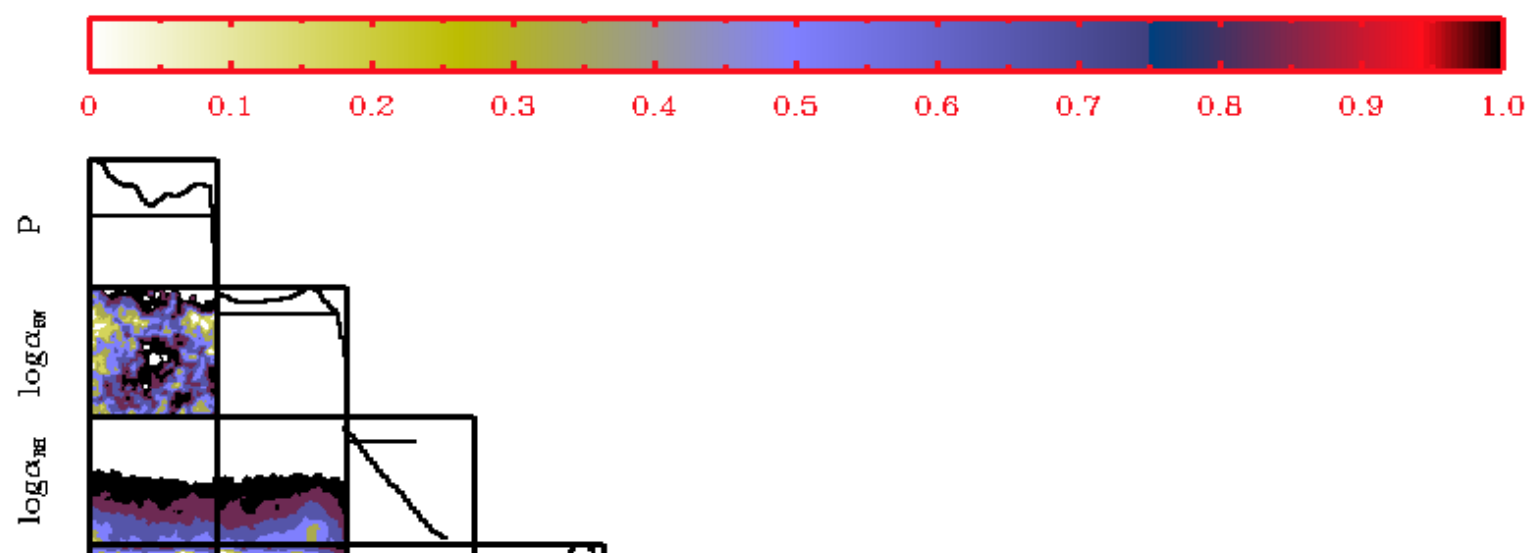


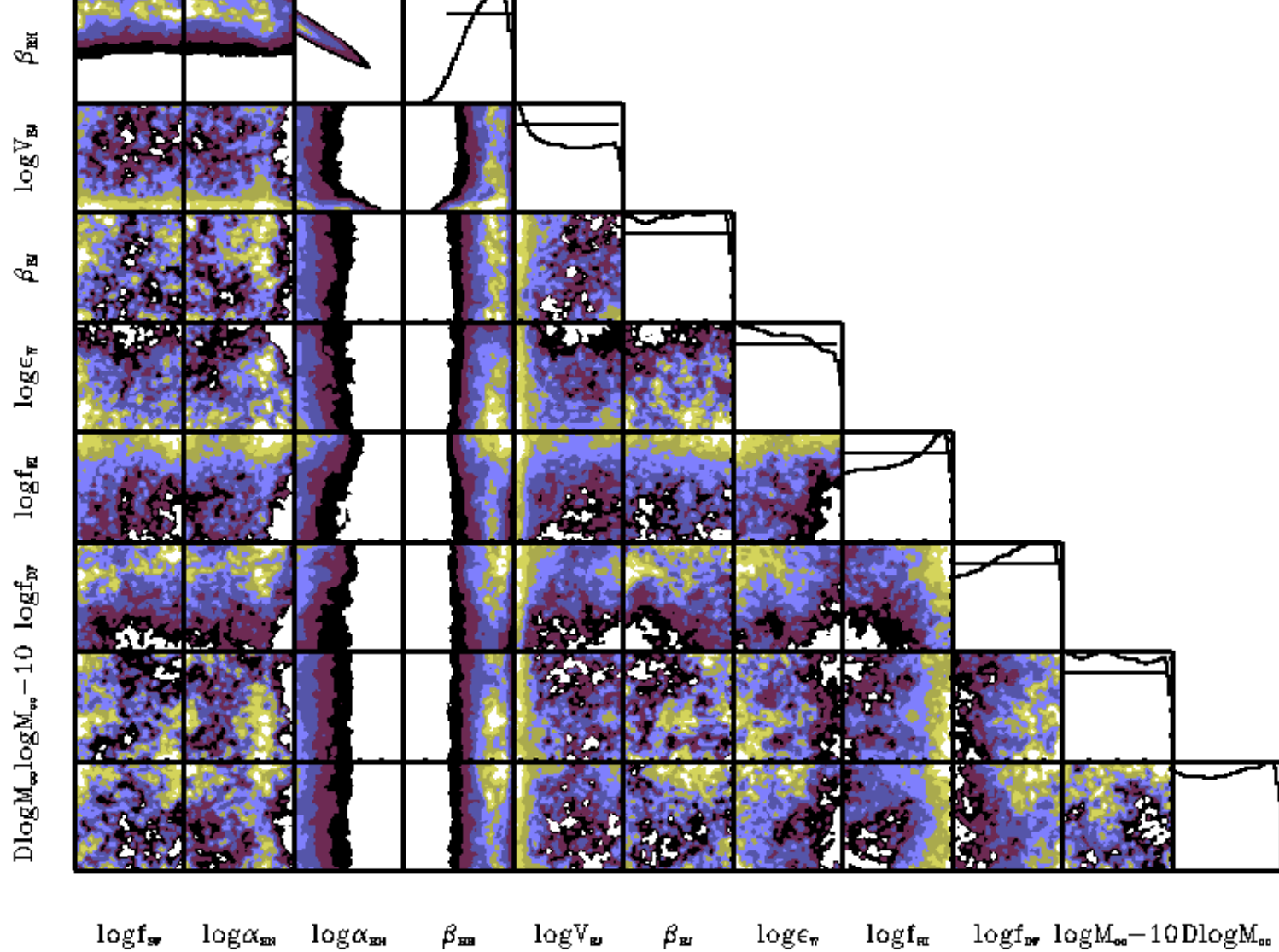
$$M_* \quad [M_\odot]$$

a.2). Apply the same model to merger tree set with LCM/SMC subhalos:



b). Posterior distribution:





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