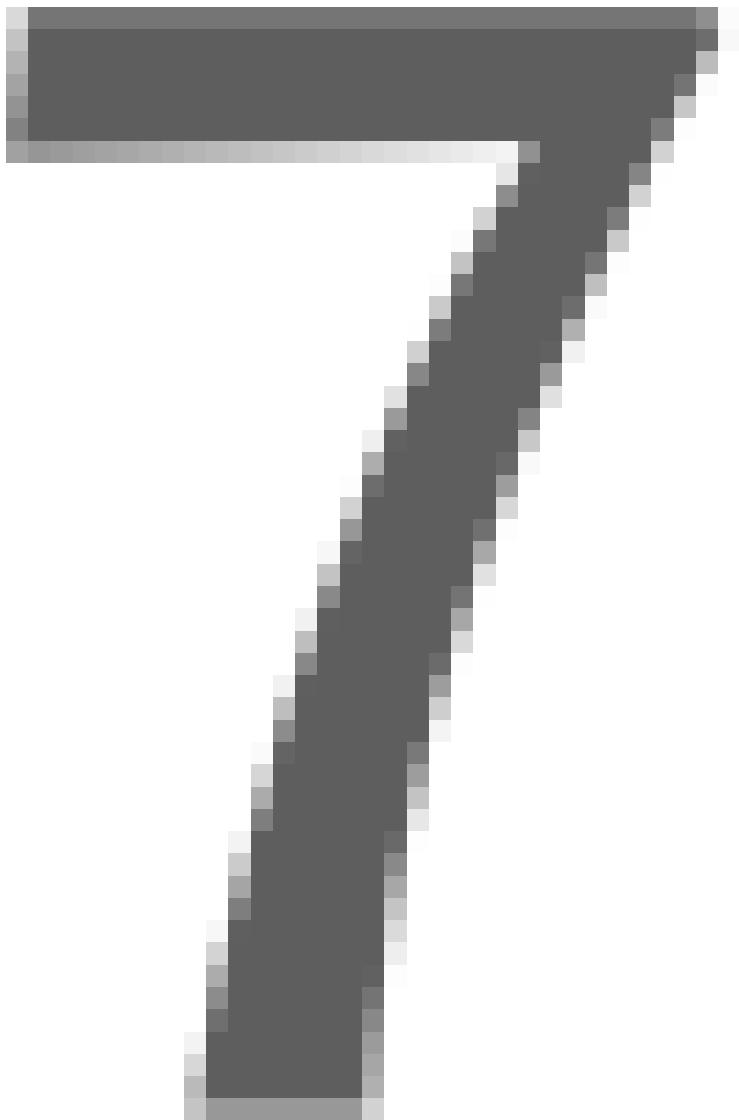


Siddhartha Mishra (MIT/Alfi) Summer School





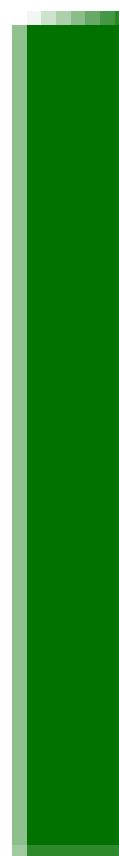
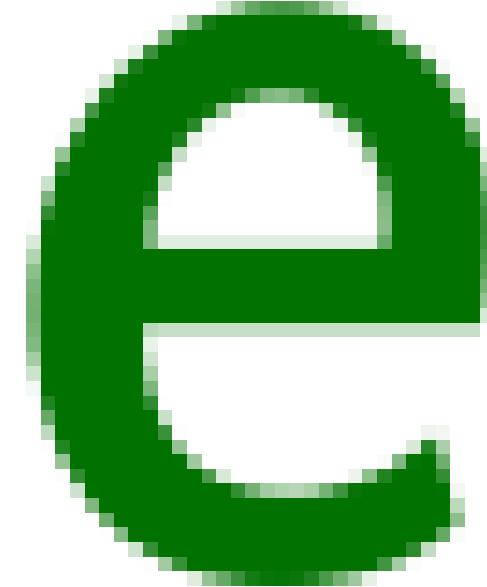
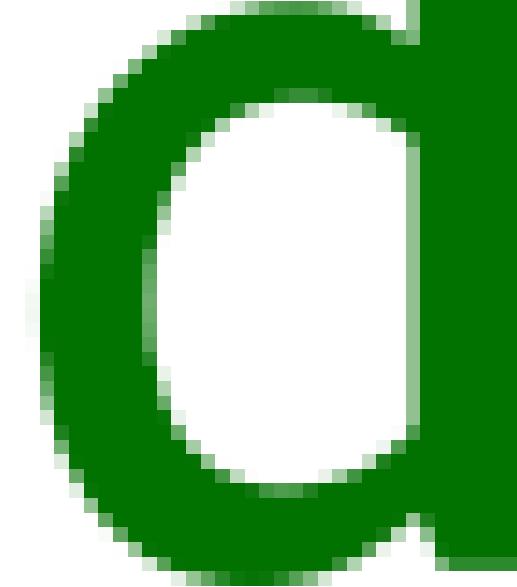
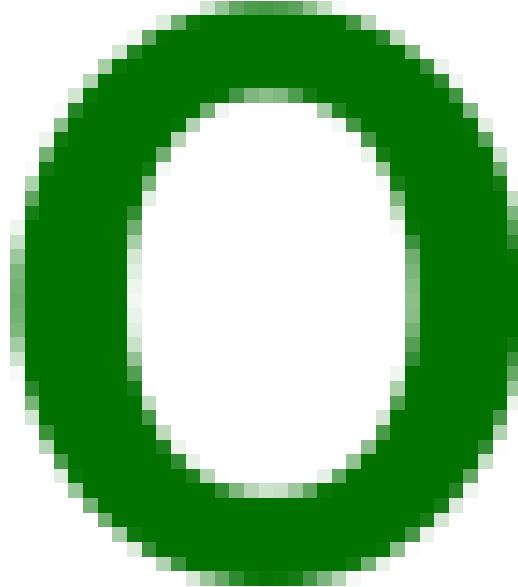
Siros Island Information

xi



xi

xi *sp*(*xi*)*.* *xi*,



Model

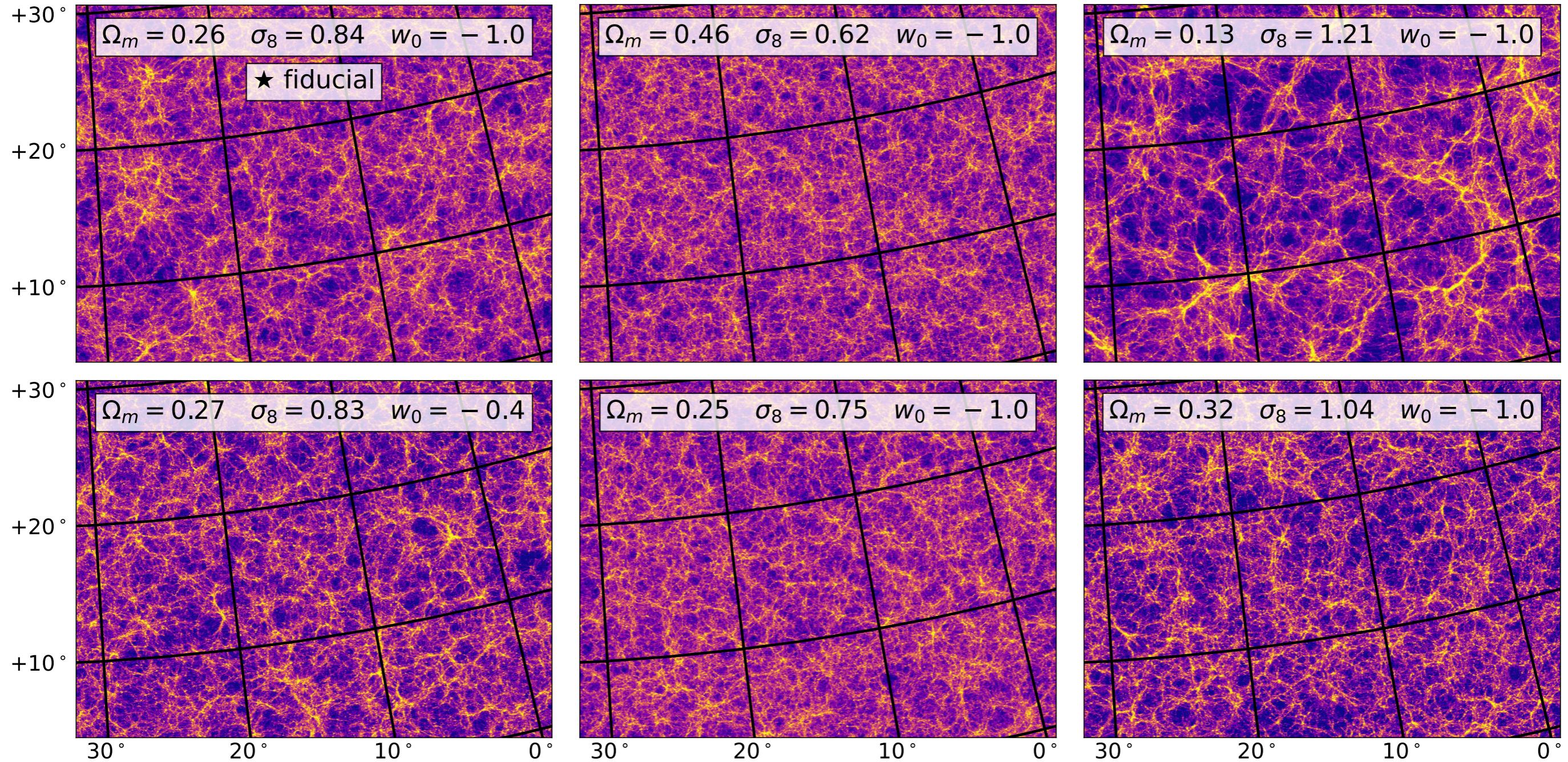
parameters



Conditional simulations sample from the likelihood $p(x|\theta)$

Cosmology data

$$\text{map} \sim p(\text{map} \mid \{\Omega_m, \sigma_8, w_0\})$$

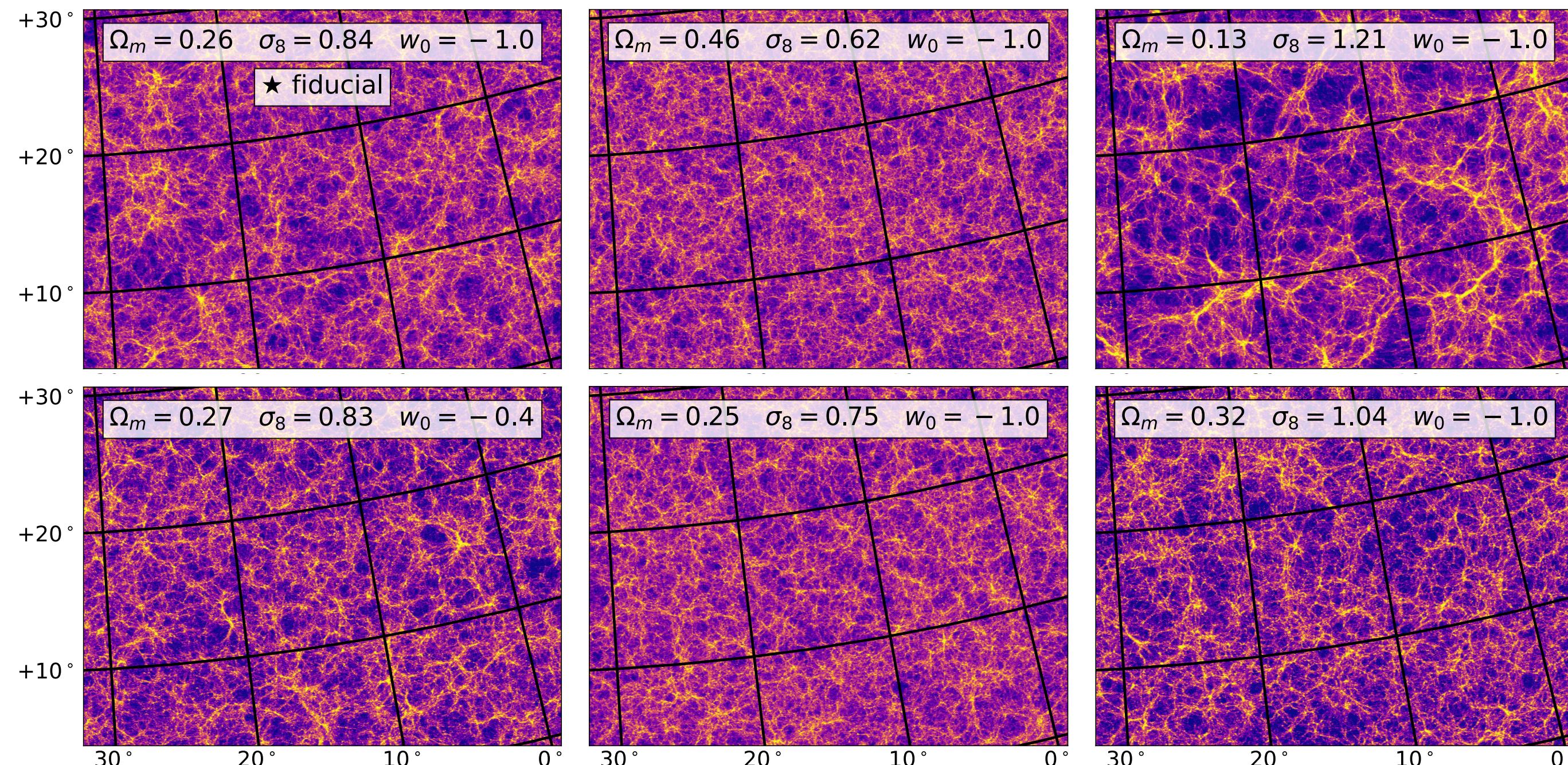


Conditional simulators

Conditional simulations sample from the likelihood $p(x | \theta)$

Cosmology data

$$\text{map} \sim p(\text{map} | \{\Omega_m, \sigma_8, w_0\})$$



$$x \sim p(x; \mathcal{M})$$

Model

or

$$x \sim p(x | \theta)$$

Model
parameters

[Kacprzak et al 2022]

Are simulators all you need?

Theory
parameters
 θ



Evolution