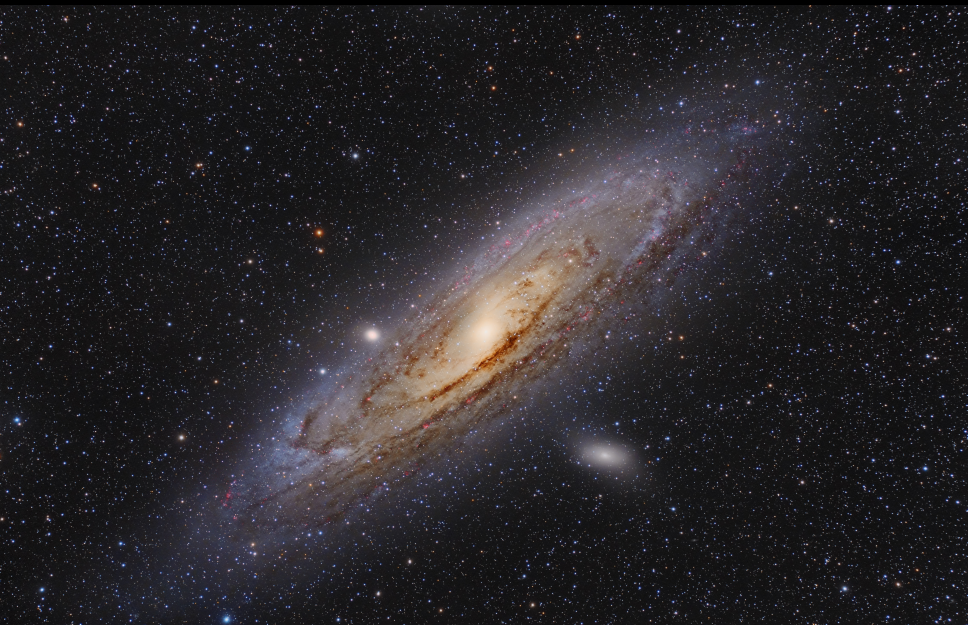
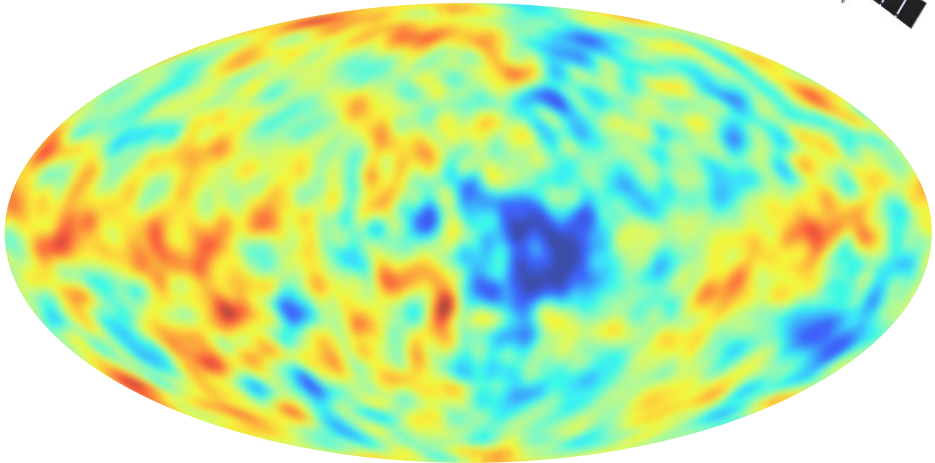
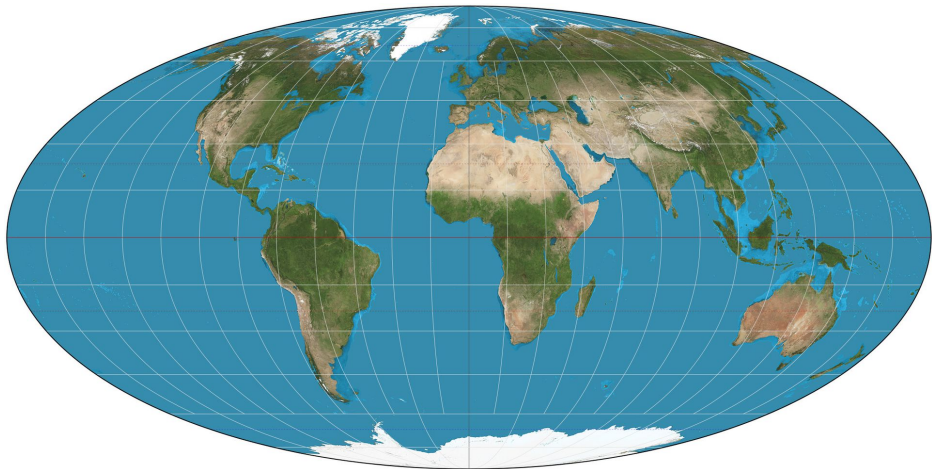




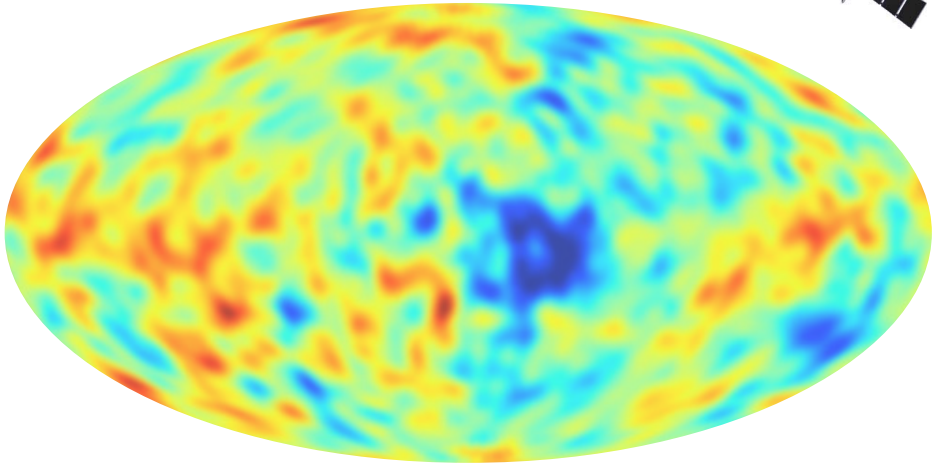


Cosmic Microwave Background (COBE 1992)

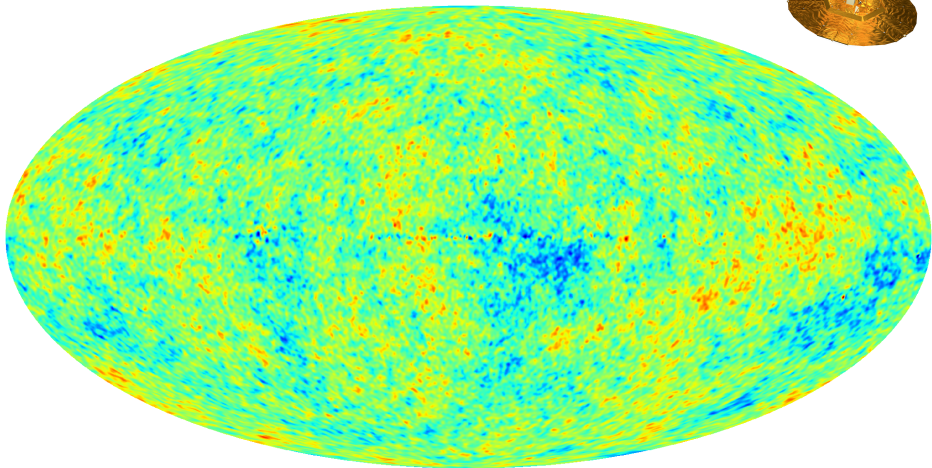
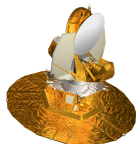




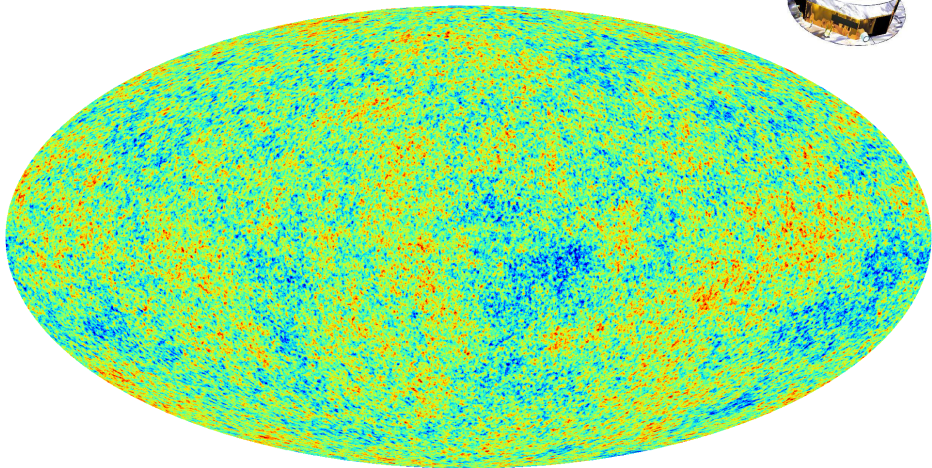
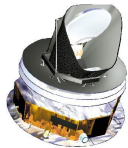
Cosmic Microwave Background (COBE 1992)

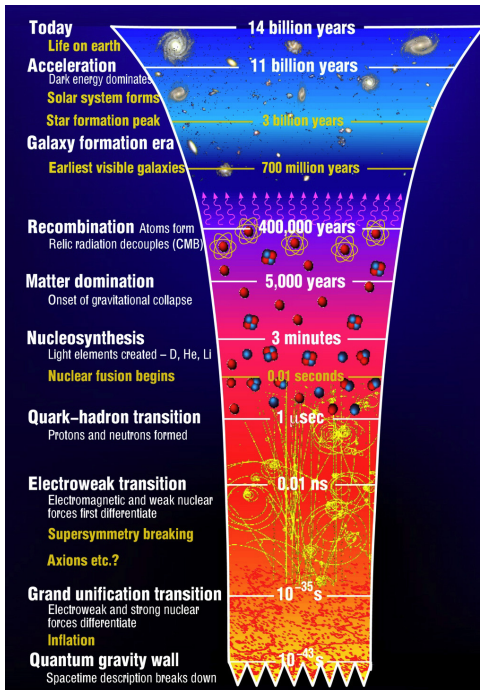


Cosmic Microwave Background (WMAP 2012)



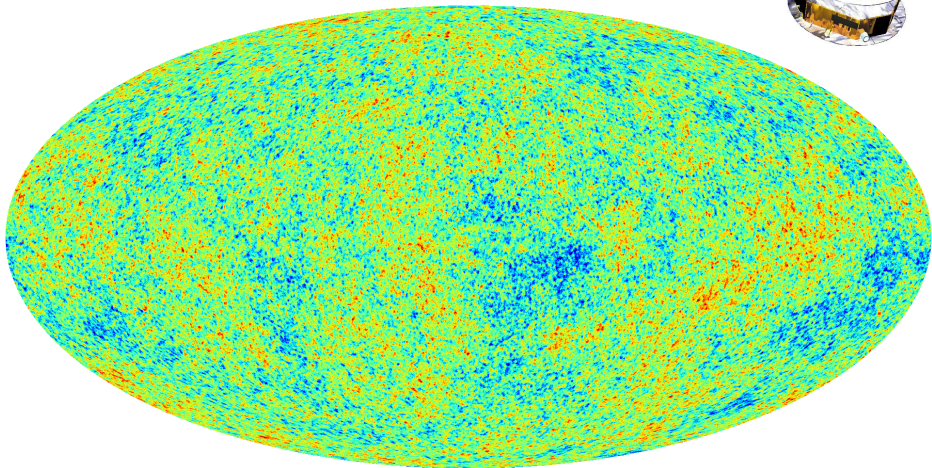
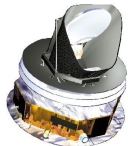
Cosmic Microwave Background (Planck 2015)



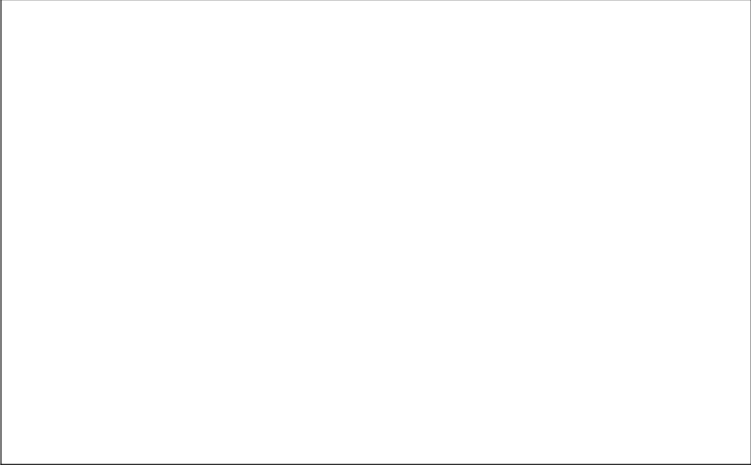


Source: CTC

Cosmic Microwave Background (Planck 2015)



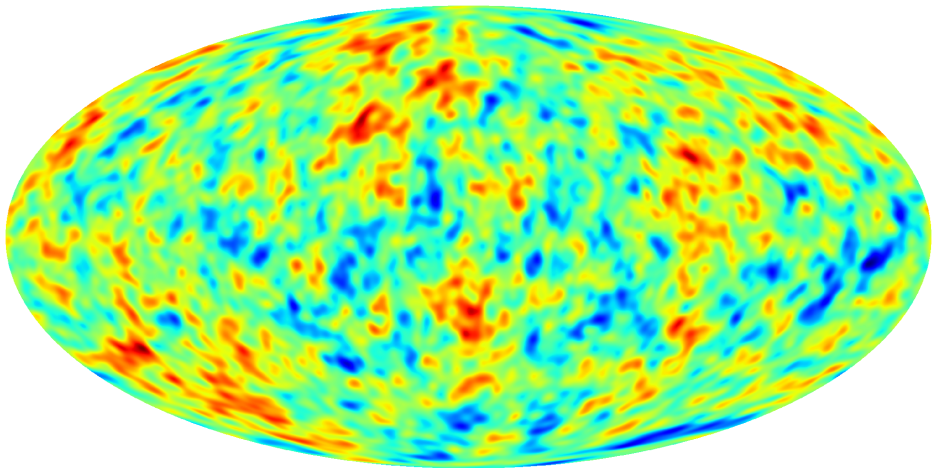
AMOUNT OF CLUMPING

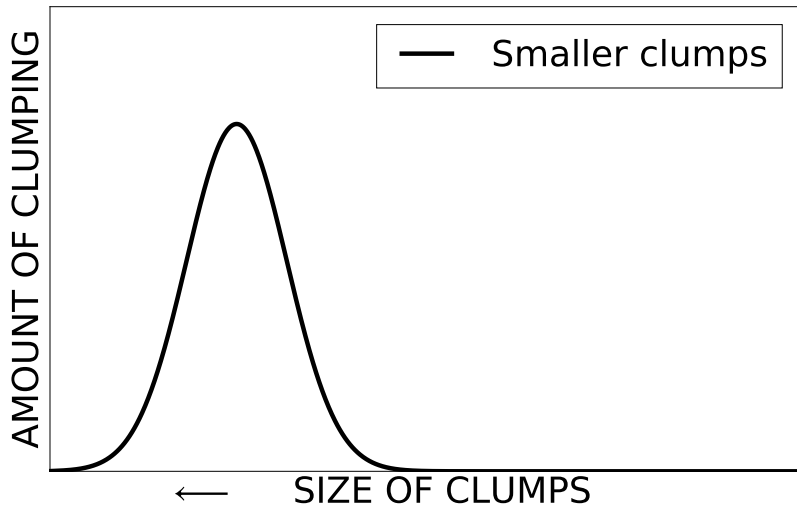


SIZE OF CLUMPS

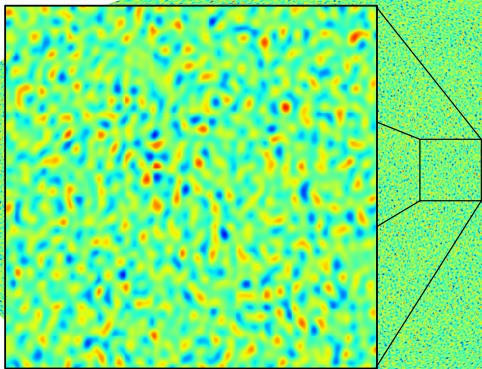


Large clumps

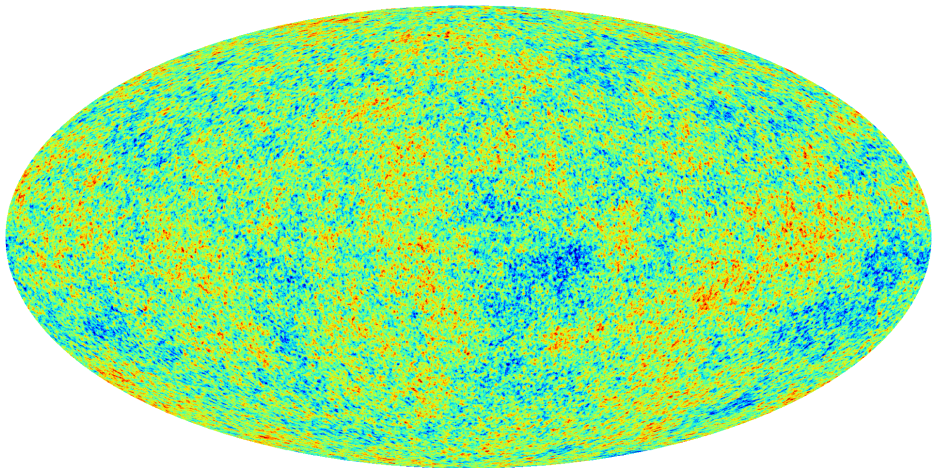


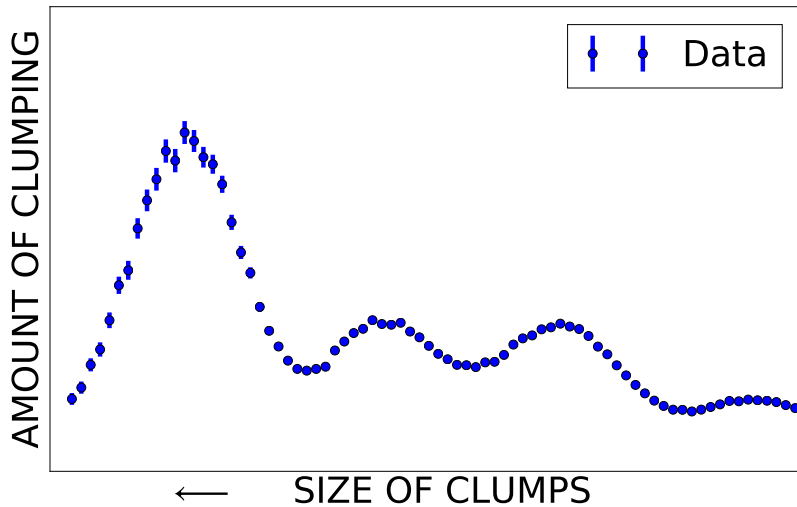


Smaller clumps

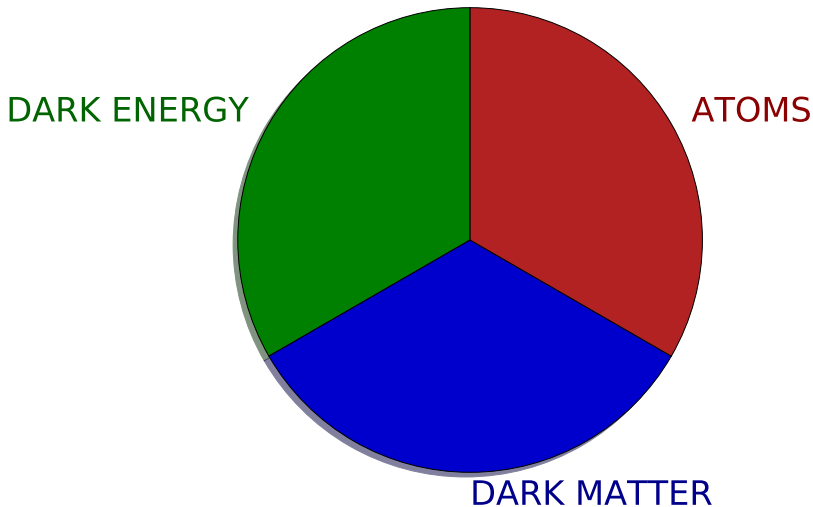


Cosmic Microwave Background (Planck 2015)

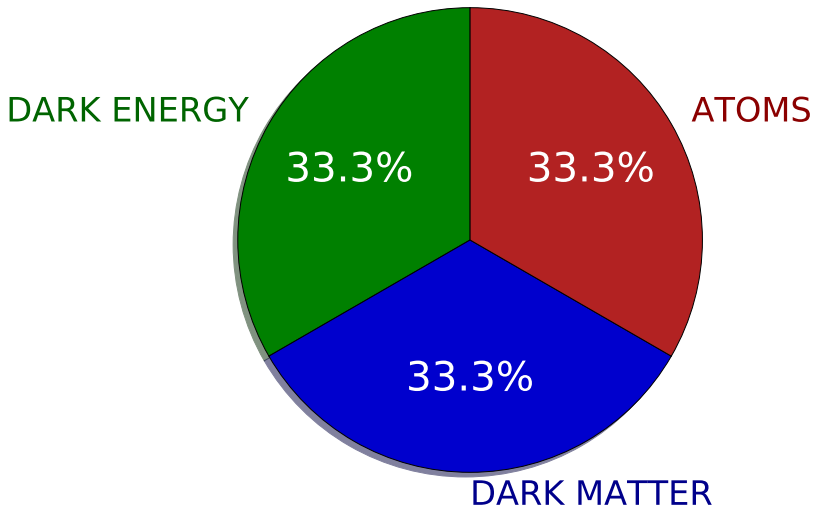




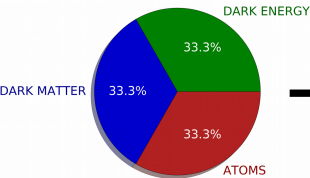
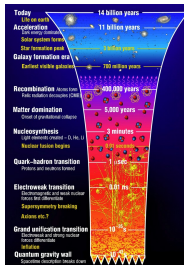
What is the Universe made of?



Model: All equal



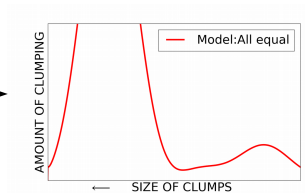
Cosmology



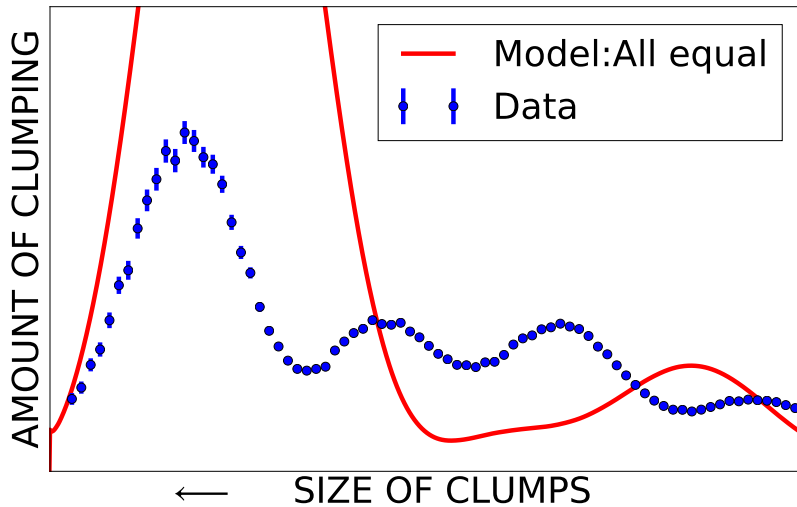
Model



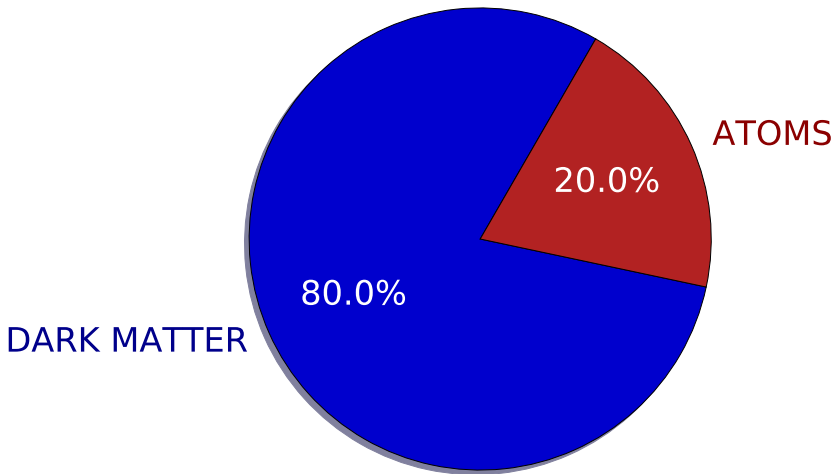
Simulation

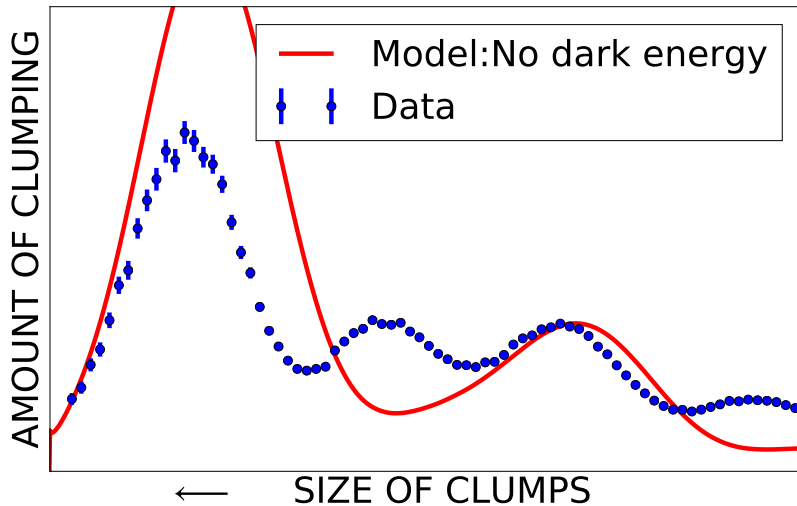


Prediction



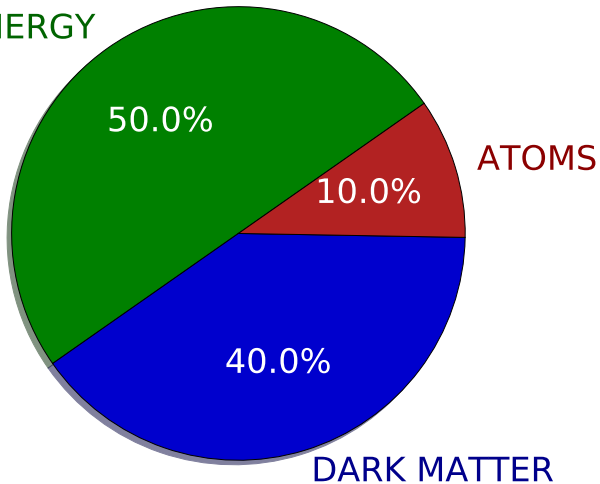
Model: No dark energy

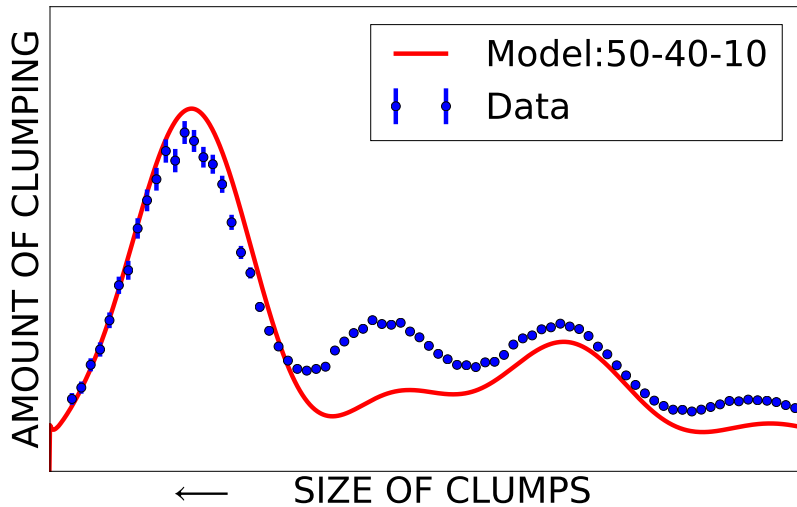




Model:50-40-10

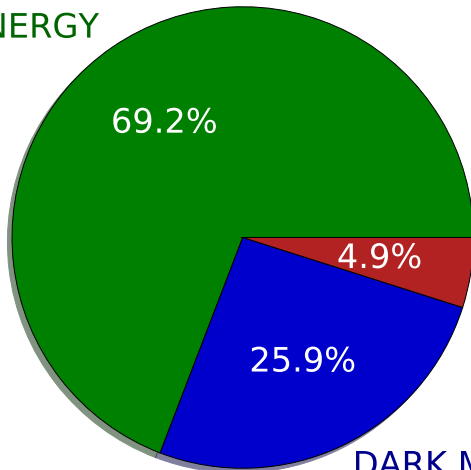
DARK ENERGY





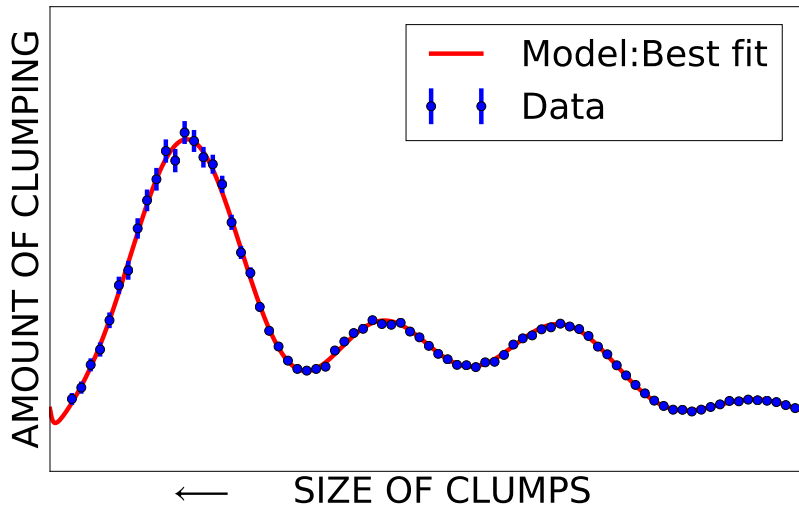
Model: Best fit

DARK ENERGY

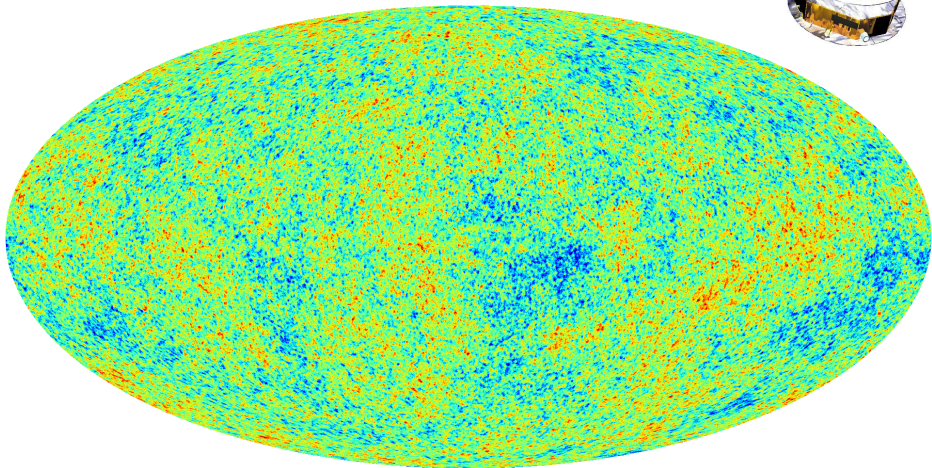
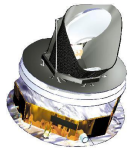


ATOMS

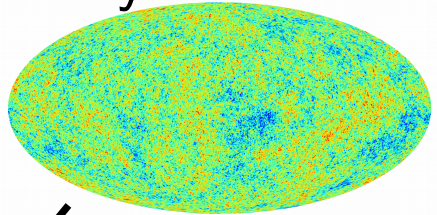
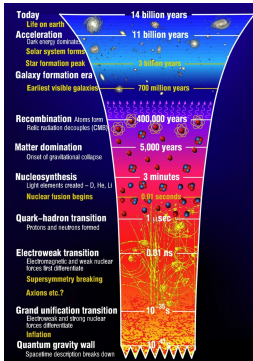
DARK MATTER



Cosmic Microwave Background (Planck 2015)



Summary



DARK ENERGY

