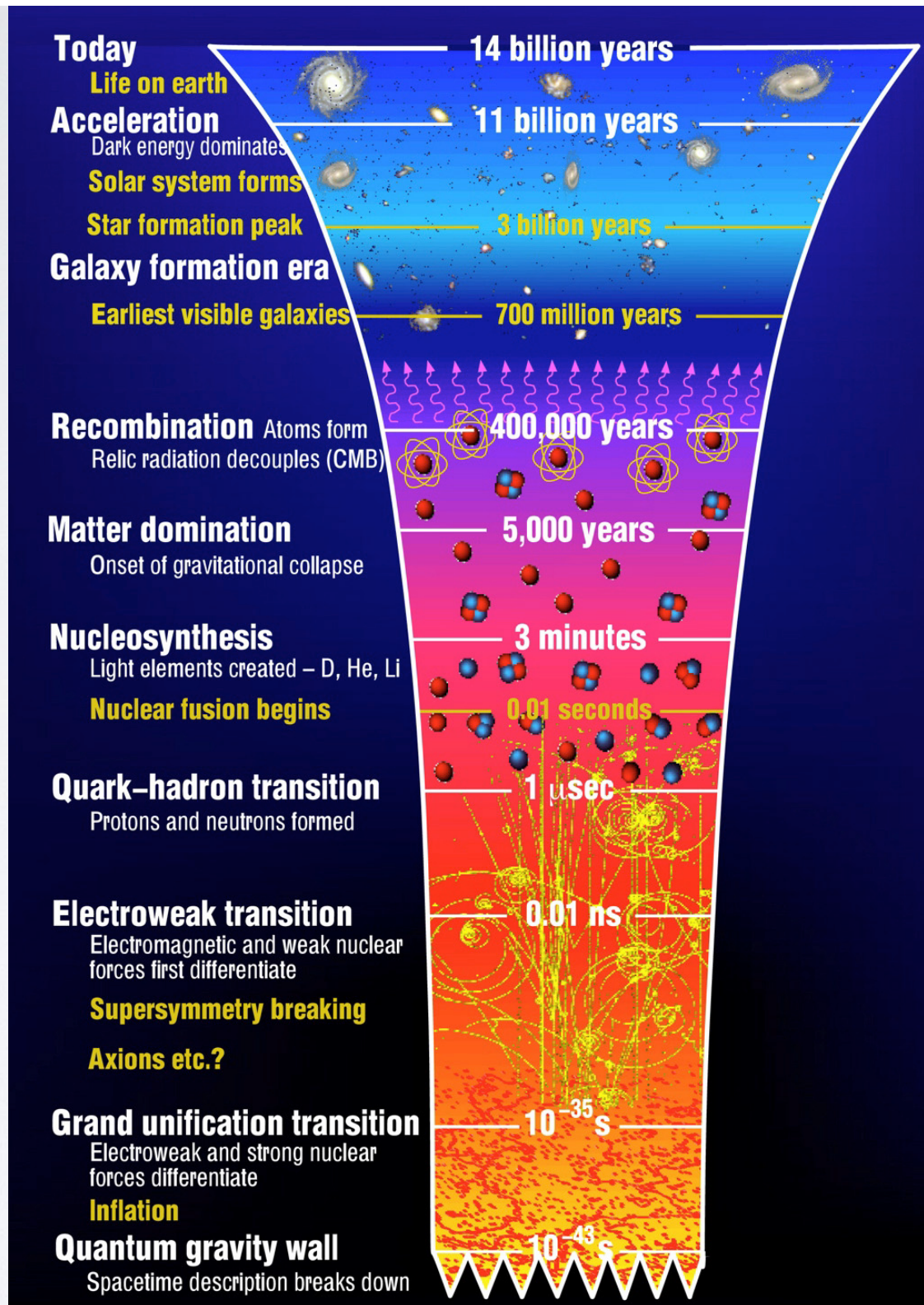
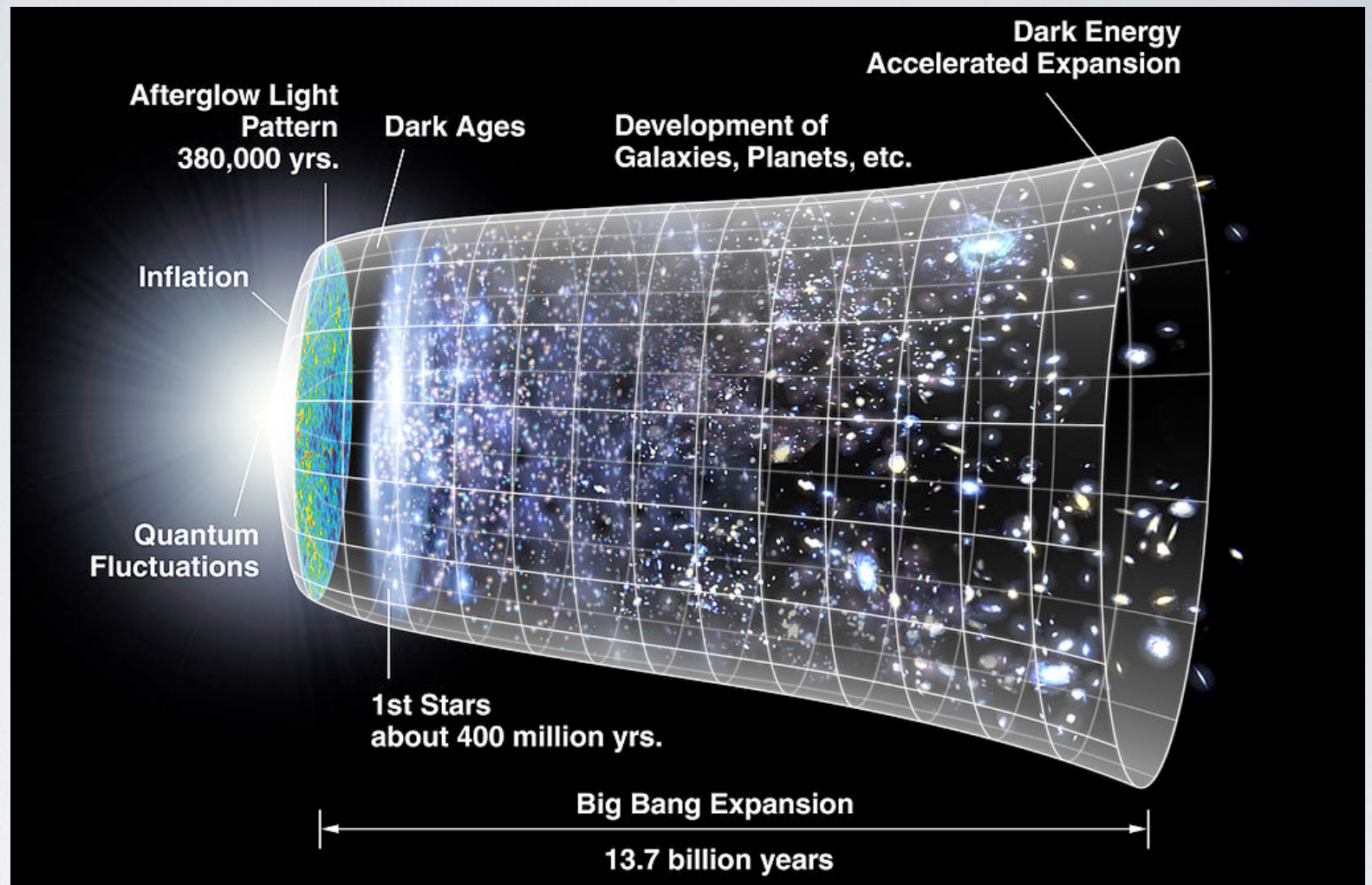


COSMOLOGICAL PHYSICS

Cosmology is the scientific study of the origin, evolution, large-scale structures and dynamics, and ultimate fate of the universe, as well as the scientific laws that govern these realities.

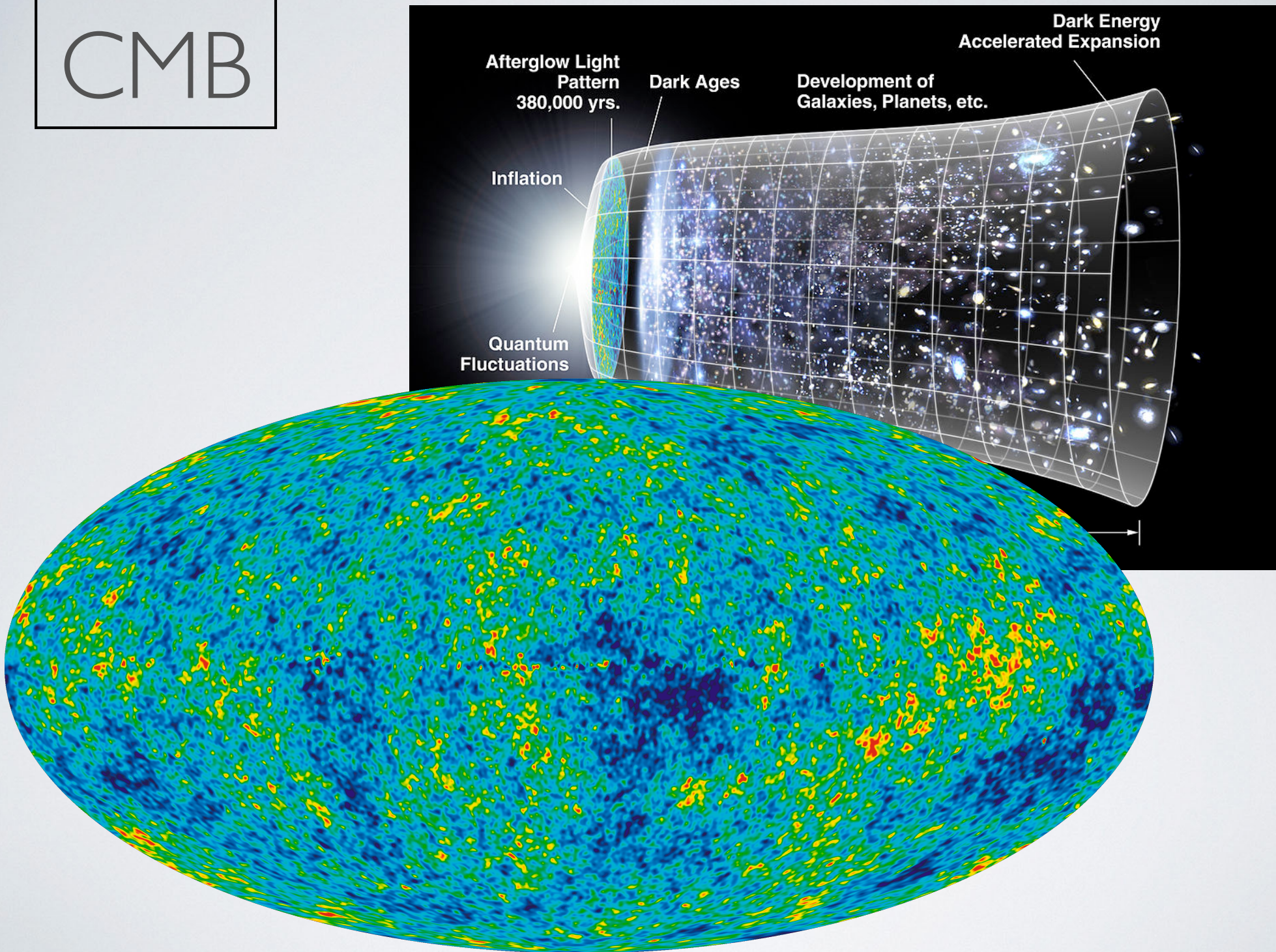
COSMO- LOGICAL PHYSICS



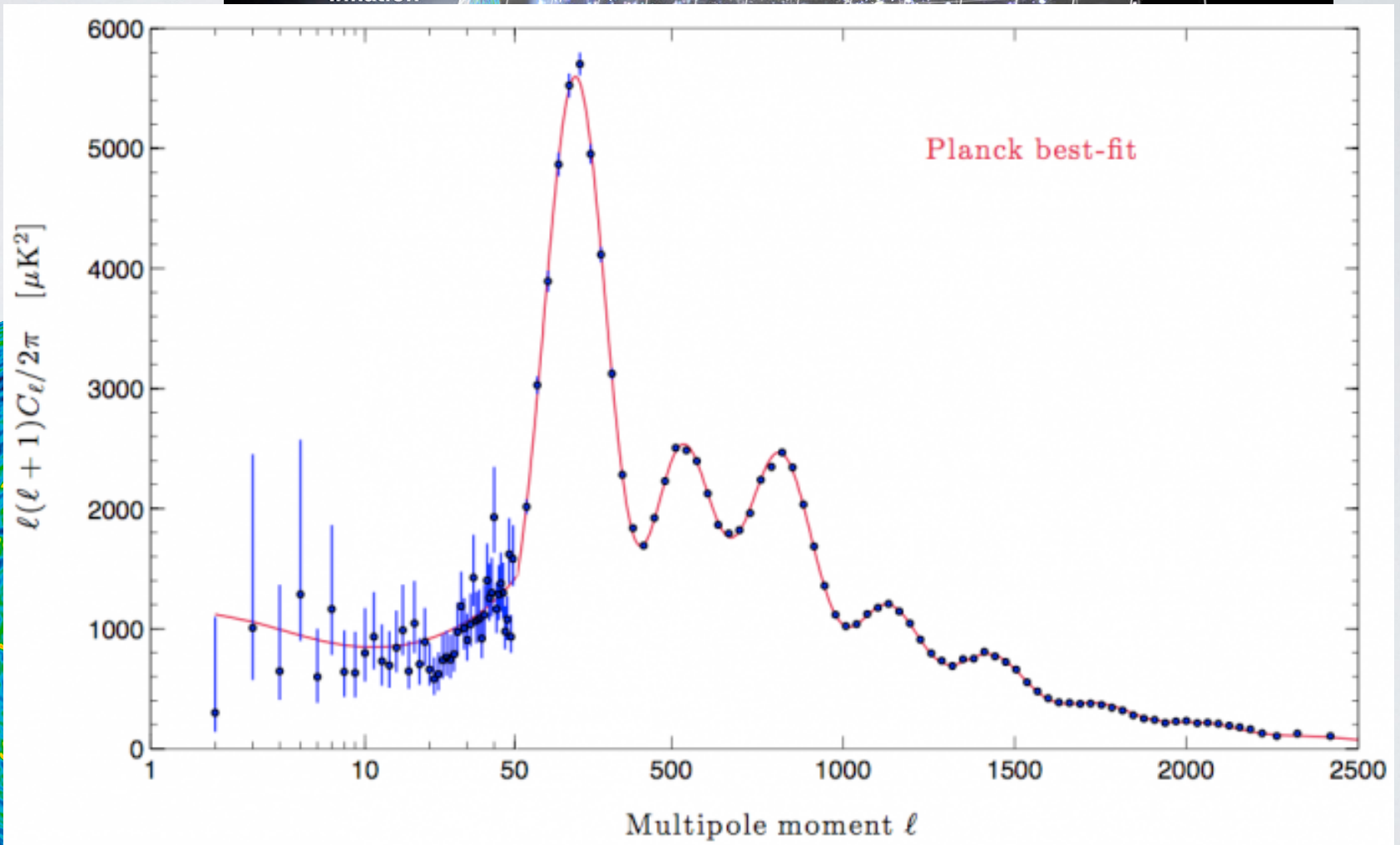


OUR HISTORY

CMB



CMB



OBSERVABLES - TECHNIQUES

- CMB
 - matter distribution
 - cosmic expansion rate
 - nuclear abundances
- CMB
 - weak lensing
 - galaxy surveys
 - 21 cm
 - indirect DM detection
 - cosmic rays
 - gravity waves

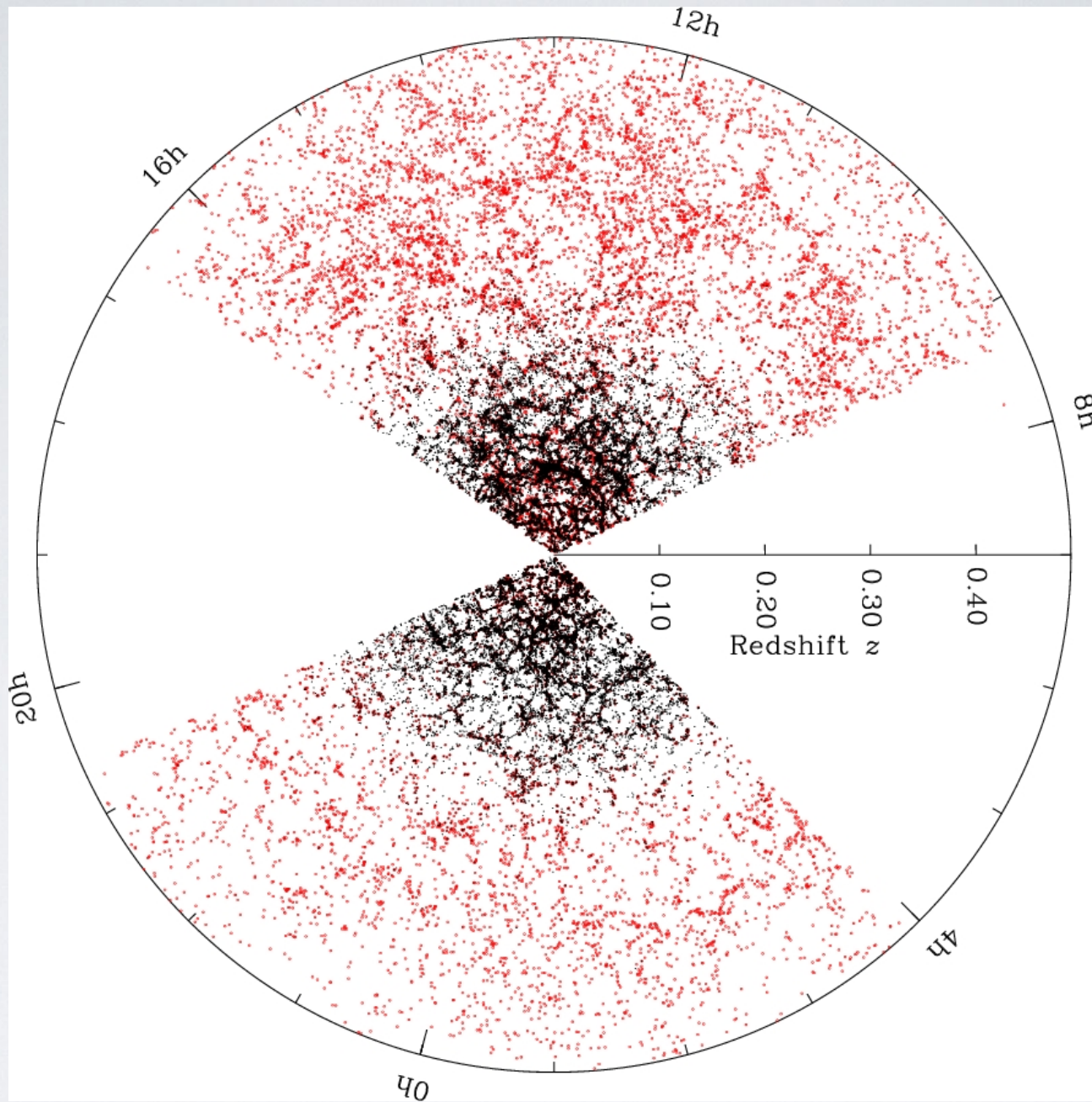


Figure 1.1: *The distribution of galaxies is clumpy on small scales, but becomes more uniform on large scales and at early times.*

MATTER POWER SPECTRUM

