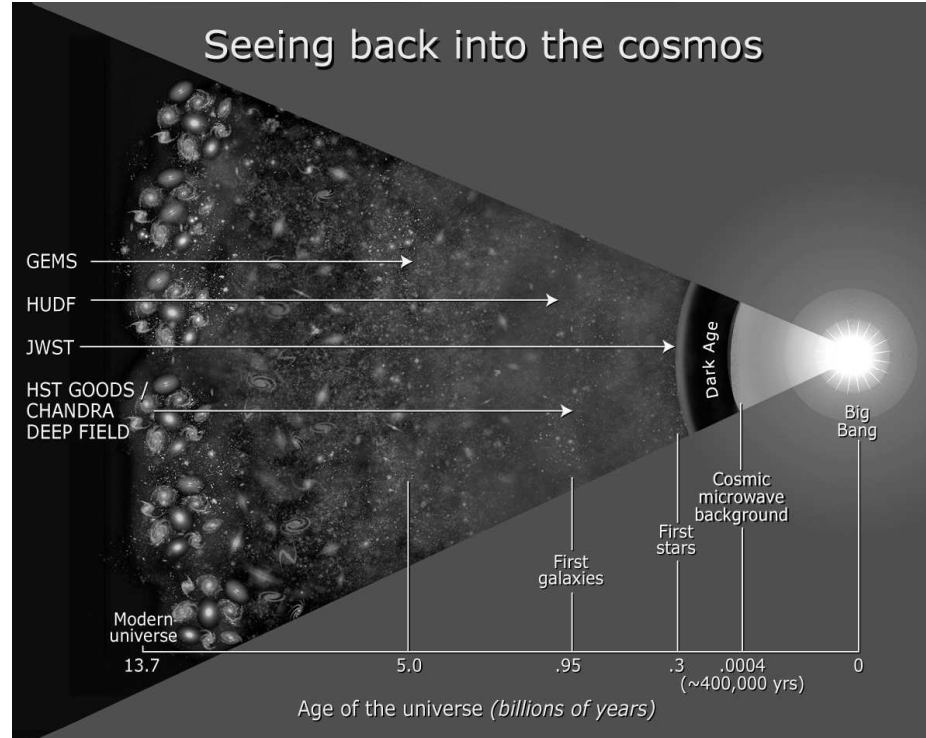


# Cosmic Calendar : Galaxy Evolution



**Present-day Universe:**  
mature ellipticals and  
spirals Most spirals  
are barred today.

**Disk galaxies like  
our Milky Way  
start to be in place  
~ 8 Gyr ago (44%).**

**First galaxies  
(chaotic structures)  
form 13 Gyr ago  
(5%).**

**GEMS**

**GOODS**

**HUDF**

**Galaxy surveys  
probing these epochs**