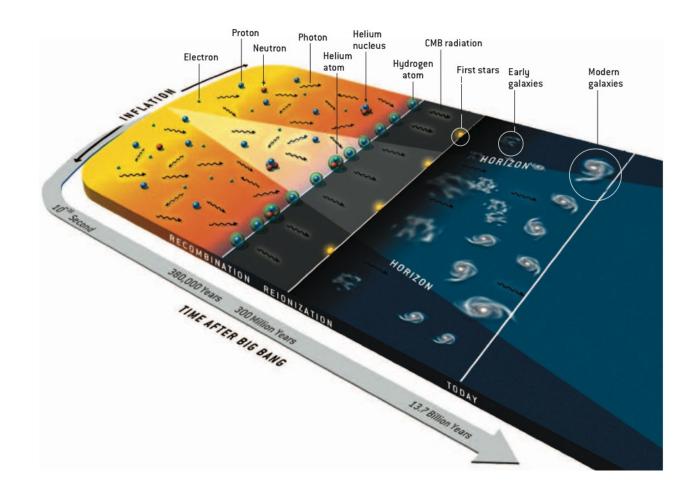
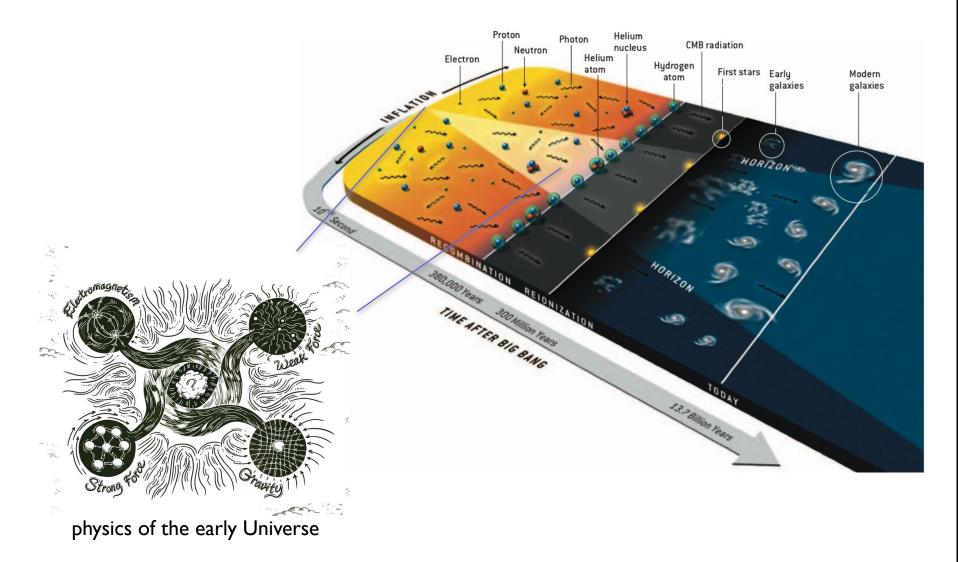
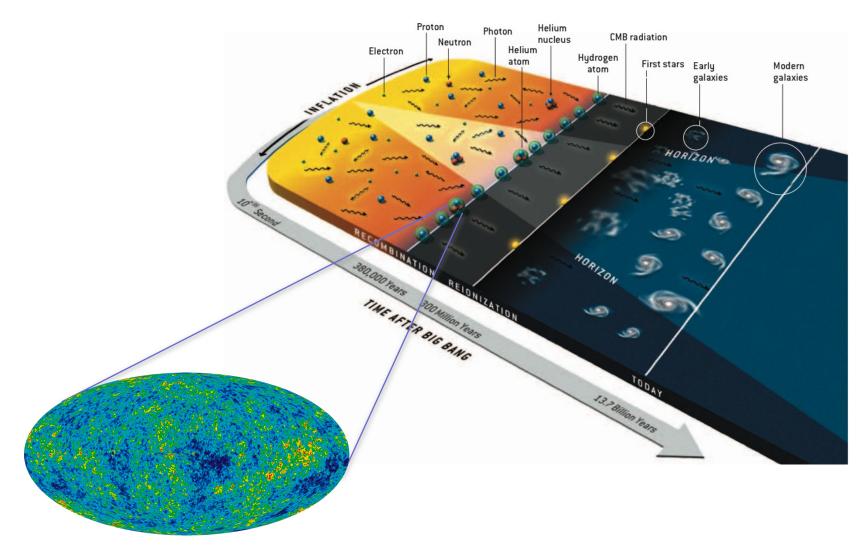
Alexander Knebe (Universidad Autonoma de Madrid)

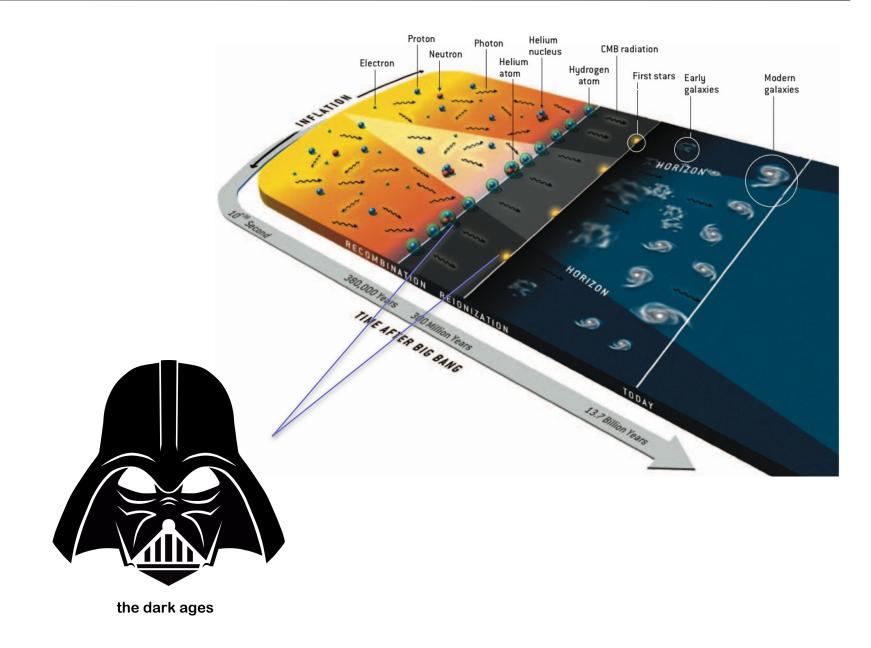


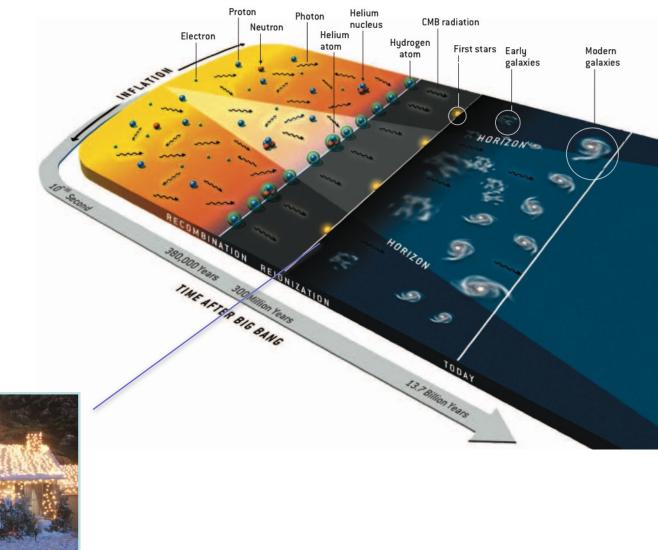






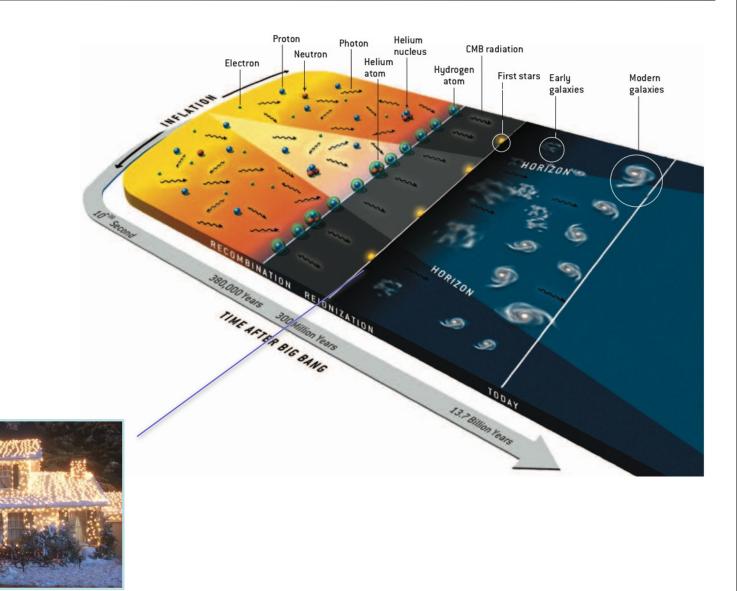
cosmic microwave background radiation



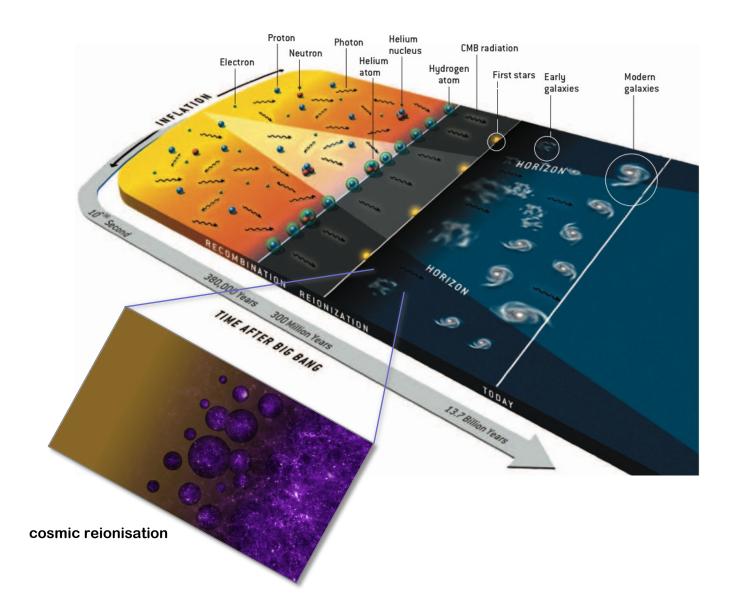


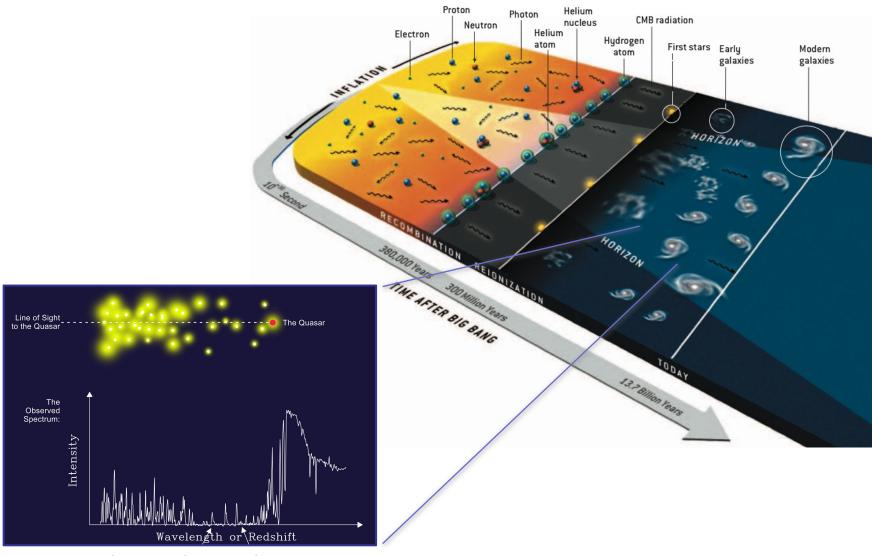


let there be light!

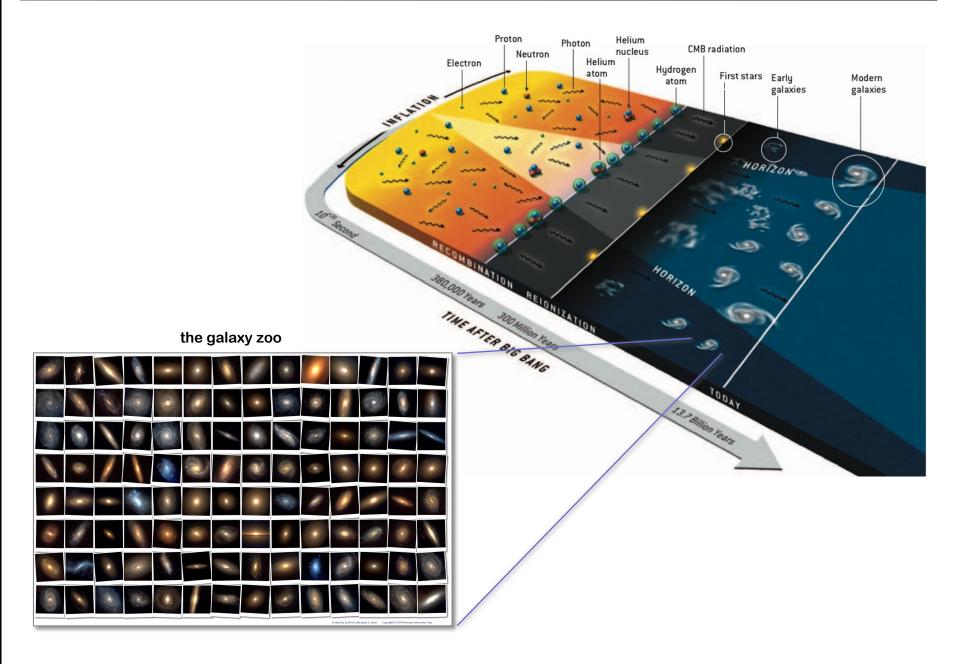


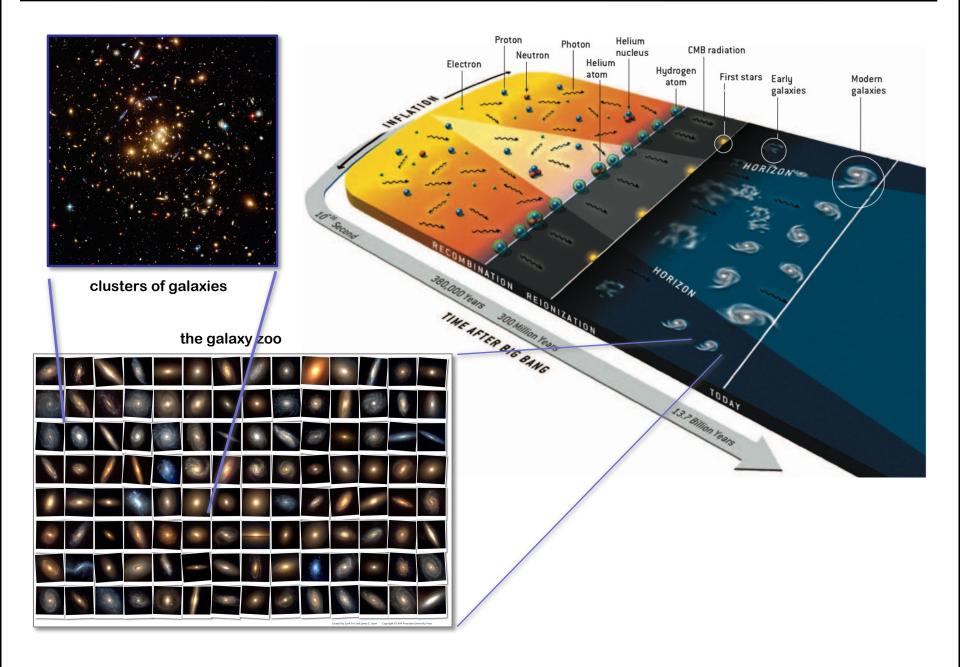
let there be light! \rightarrow radiative processes...

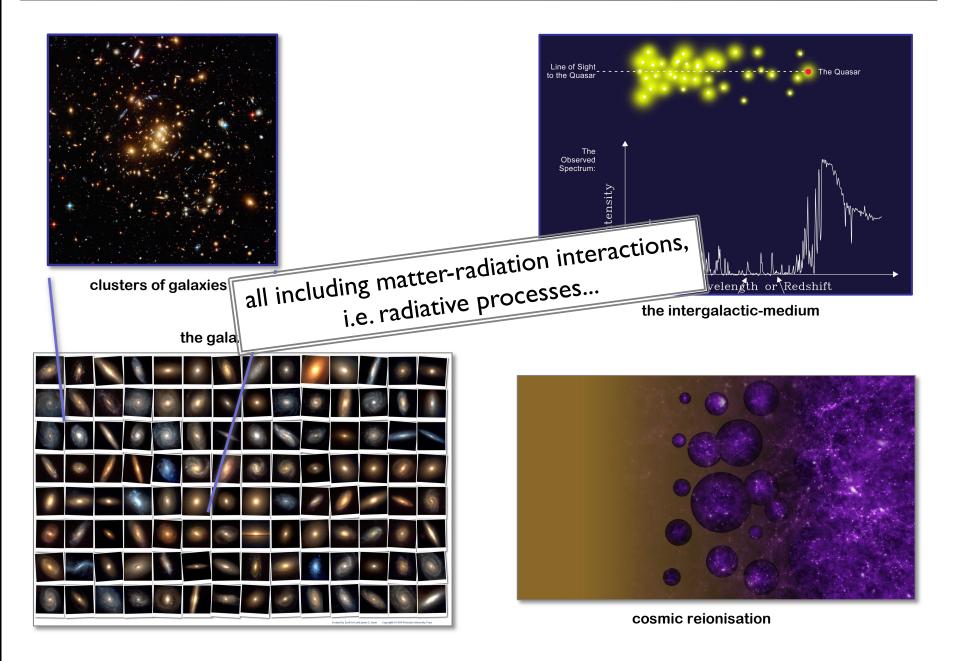




the intergalactic-medium







- galaxy formation
- galaxy clusters
- 21-cm cosmology
- the inter-galactic medium