

Gamma rays shed light on ancient star formation

Kulikov Denis, DASR

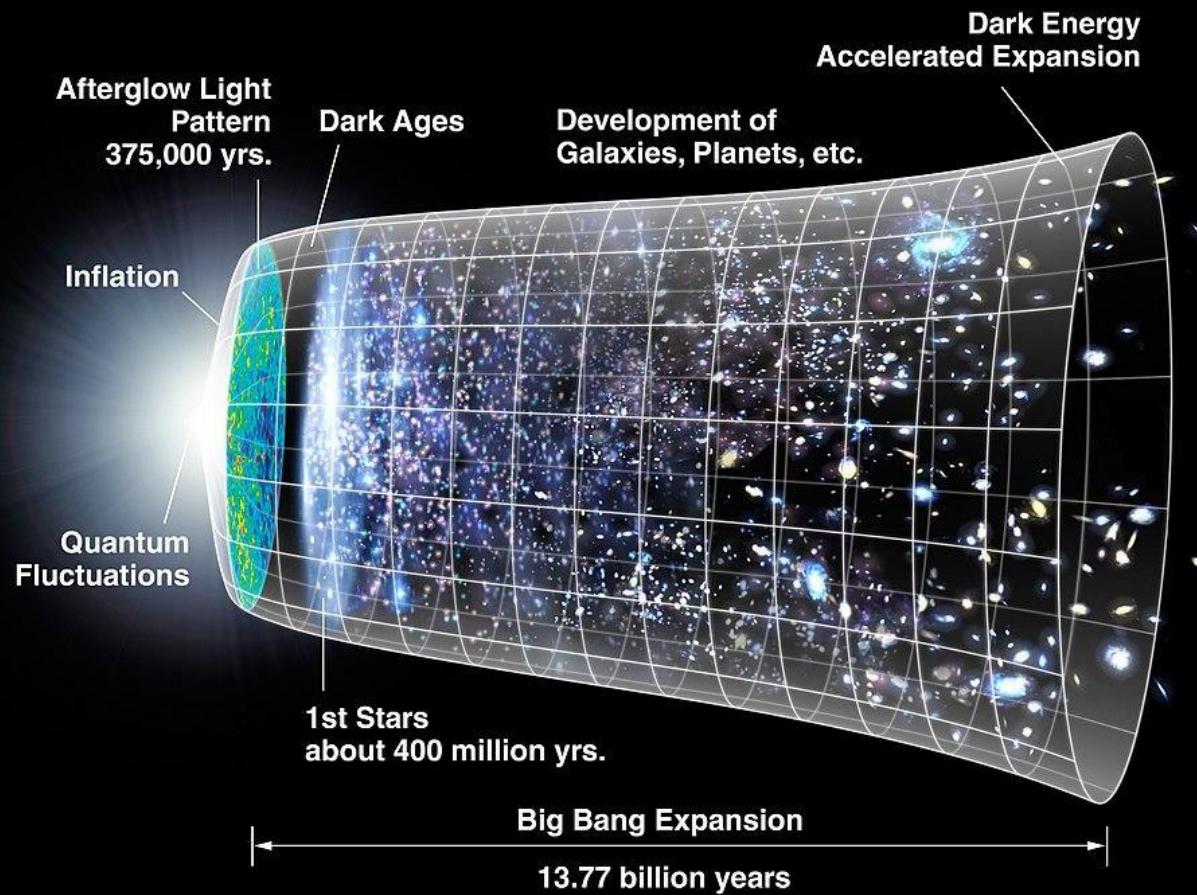
Agenda

- The history of star formation
- The conventional way to estimate star-formation
- Difficulties of usual method
- Absorbing gamma rays



- Researching of ultraviolet (UV) light from galaxies
- Emission from short-lived stars with a mass more than 10 times that of our Sun
- Two corrections

Looking back in time: Marco Ajello gazes at the stars.
(Courtesy: Pete Martin/Clemson University)



- Early universe
- Ionized hydrogen
- Faint galaxies invisibility

https://en.wikipedia.org/wiki/Chronology_of_the_universe

- Not emission but its absorption
- Gamma-telescope
- Outcome of research

Summary