

What happened before the big bang & other big questions about the universe

Monday 26 June 2023 16:30 (1 hour)

Big ideas and powerful instruments have allowed us to reconstruct the history of universe from its big-bang beginning 13.8 billion years ago through an early state of quantum fluctuations to a soup of quarks and other particles, from the formation of nuclei and atoms to the emergence of stars and galaxies, and finally to its accelerating expansion today driven by dark energy. I will share what we know, what we are trying to figure out, the biggest questions we asking, and most of all, the excitement of this grand adventure to understand our cosmic origins.

Presenter: TURNER, Michael (Chicago/UCLA)

Session Classification: Special talk