

The Universe at Cosmic Noon

A Lecture by Rachel Theios

Friday, February 15th, 7:00PM

Cahill Center for Astronomy and Astrophysics
California Institute of Technology

Ten billion years ago, the universe was a busy place. The rate at which galaxies were forming stars was at an all-time high, supermassive black holes were consuming gas and stars like never before, and the universe itself was a lot smaller than it is today. The way in which galaxies evolved through this period had profound impacts on our present-day universe, but until recently, it's been difficult to see these galaxies from this period due to their very large distances. With today's advanced telescopes, we've been able to observe vast numbers of these ancient galaxies, and we've found that they look fundamentally different from nearby galaxies. I'll discuss how galaxies have changed over the evolution of the universe and what it means for us today.

Image Credit: CANDELS / GOODS-South

These are free lectures at a public level followed by guided stargazing with telescopes (weather permitting). All events are held at the Cahill Center for Astronomy and Astrophysics at Caltech. No reservations are needed. Lectures are 30 minutes, stargazing lasts 90 minutes. Stay only as long as you want.

For directions, weather updates, and more information, please visit:

<http://outreach.astro.caltech.edu>