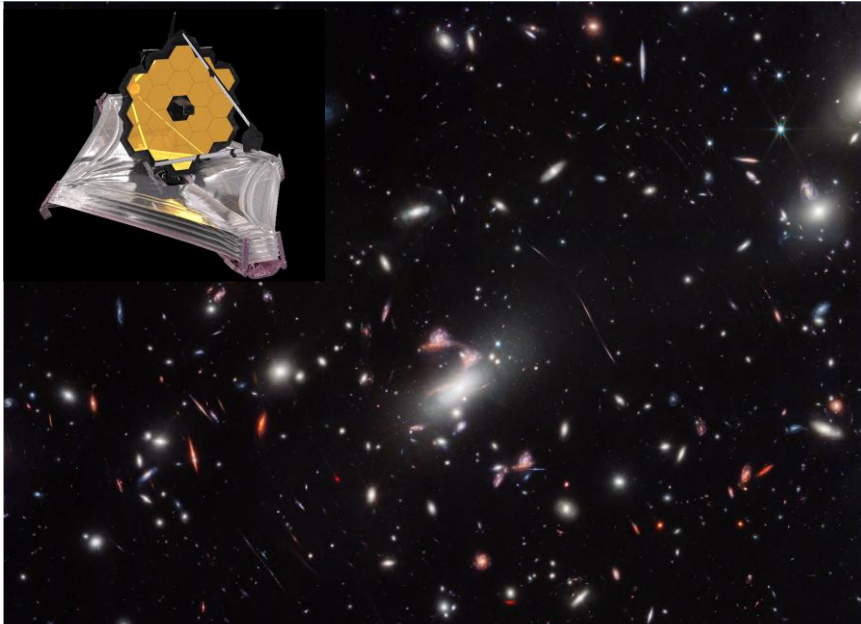


Kentucky SkyTalk



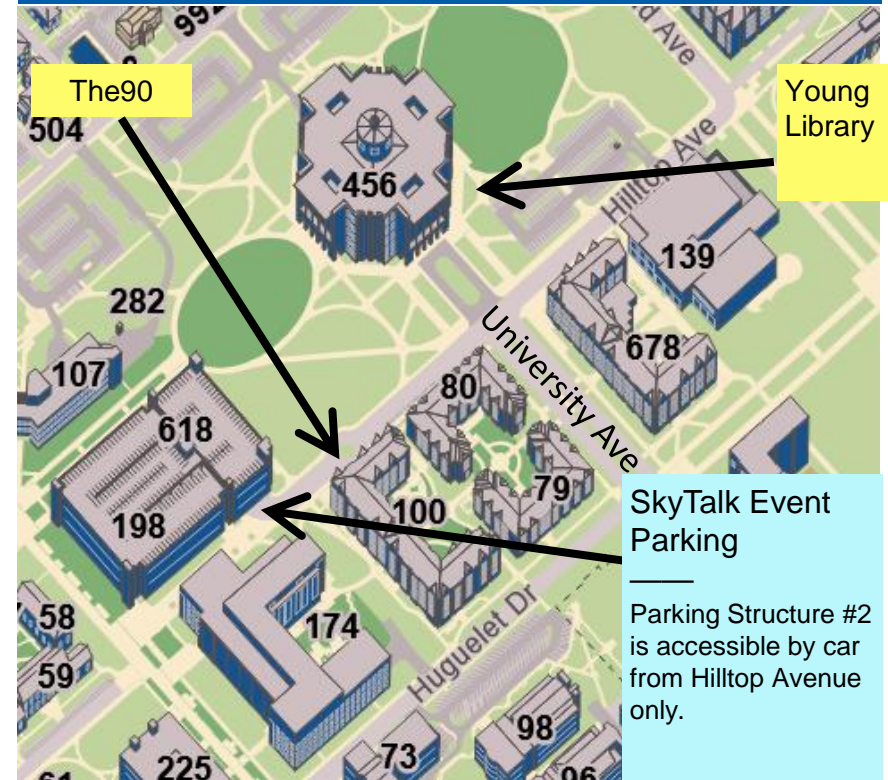
Dr. Ryan Sanders
[University of Kentucky](#)

Thursday – April 10, 2025 7:00 PM
Location: The90 Room 202

Title: Exploring the Most Distant Corners of the Universe with the James Webb Space Telescope

Abstract: The James Webb Space Telescope (JWST), the most powerful space telescope ever built, launched 3 years ago. This talk will focus on what we have learned about the farthest reaches of the cosmos with JWST, charting the early history of our Universe and searching for the first generation of galaxies. Why is JWST so well suited to search for distant galaxies? How do we tell how far away a galaxy is from us? What is the most distant galaxy discovered to date? How can distant galaxies act as a "time machine" into the past history of the Universe? These questions and more will be answered as we take a trip from our home in the Milky Way galaxy to the furthest reaches of space with JWST.

How to find the MacAdam Student Observatory



Monthly Meetings

The MSO hosts monthly public-observing sessions, each with a kick-off 50 minute presentation in the Chemistry-Physics Building. The presentations will take place even on cloudy nights. If the sky is clear, the observatory will open after the talk! Can't make the SkyTalk? Then come after!

[301 Hilltop Ave, Lexington KY 40506](#)

[April 2025 All Sky Chart](#)

[Zoom Link](#)

[YouTube Link](#)