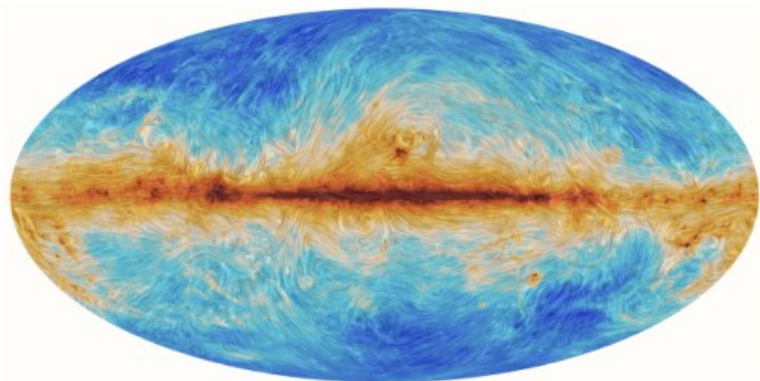


# Kentucky SkyTalk



The Galactic magnetic field as revealed by Planck

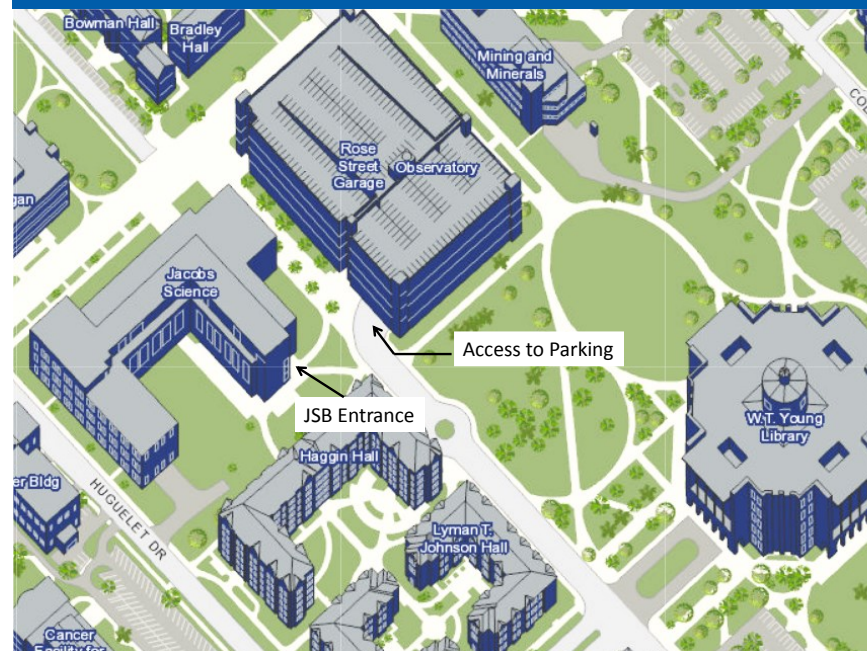
**Amber Moore — [University of Kentucky](#)**  
**Thursday - June 13, 2019 8:00 PM**  
**Jacobs Science Building—Room 121**

## ***Magnetic Fields and Where to Find Them***

Did you know that the history of magnetism dates back to as early as 600 B.C. and that it is essential to our everyday lives? In this talk we will walk through a brief history of magnetism, and hit the very basics of how a magnetic field is generated. After, we will visit its present day applications, and how these applications impact our lives on a daily basis. We will then conclude with an exploration of the cosmos in search of magnetic fields outside of our own planet Earths'.

Tonight's *Kentucky SkyTalk* is part of an ongoing series. These are presented by the UK Department of Physics and Astronomy, and the MacAdam Student Observatory. Held every 2<sup>nd</sup> Thursday of the month, they are always free and open to the public.

## How to find the MacAdam Student Observatory



## Monthly Meetings

The MSO hosts monthly public-observing sessions, each with a kick-off 45 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!

### Next month:

Tim Knauer — University of Kentucky  
***50 Years Since Apollo: What Next?***  
July 11, 2019 - 8:00 PM  
**Jacobs Science Building—Room 121**