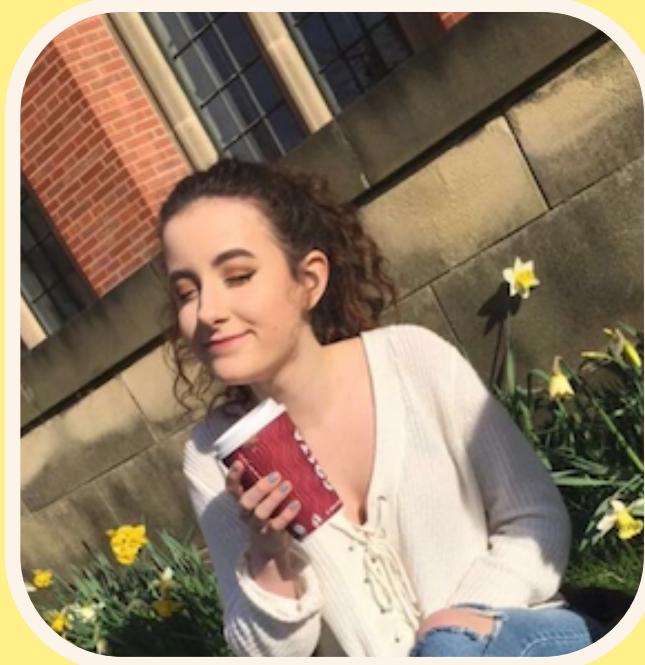


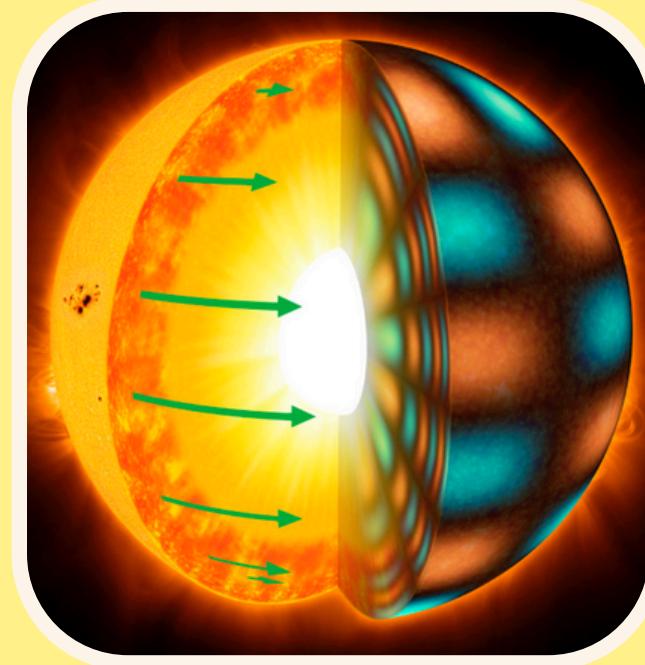
# Dancing with the Stars

Dr. Emily Hatt

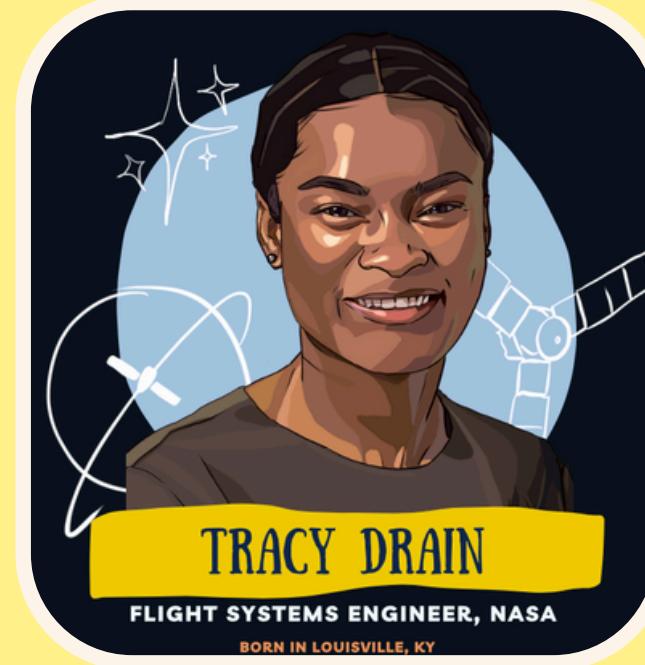
# Who am I?



*UoB Veteran*



*Star Person*



*Budget  
Graphic Designer*

# What do I study?

Asteroseismology: The study of stellar pulsations as a means to constrain the properties of the host star.

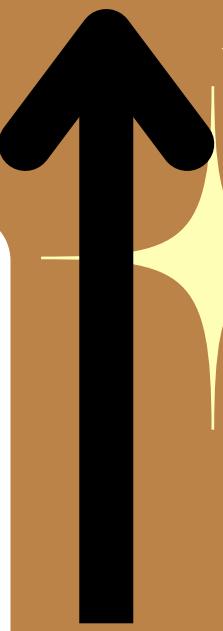
# The big projects

- ✓ Detecting (Solar-like) Oscillations in Large datasets
- ✓ Constraining Core Rotation and Magnetism

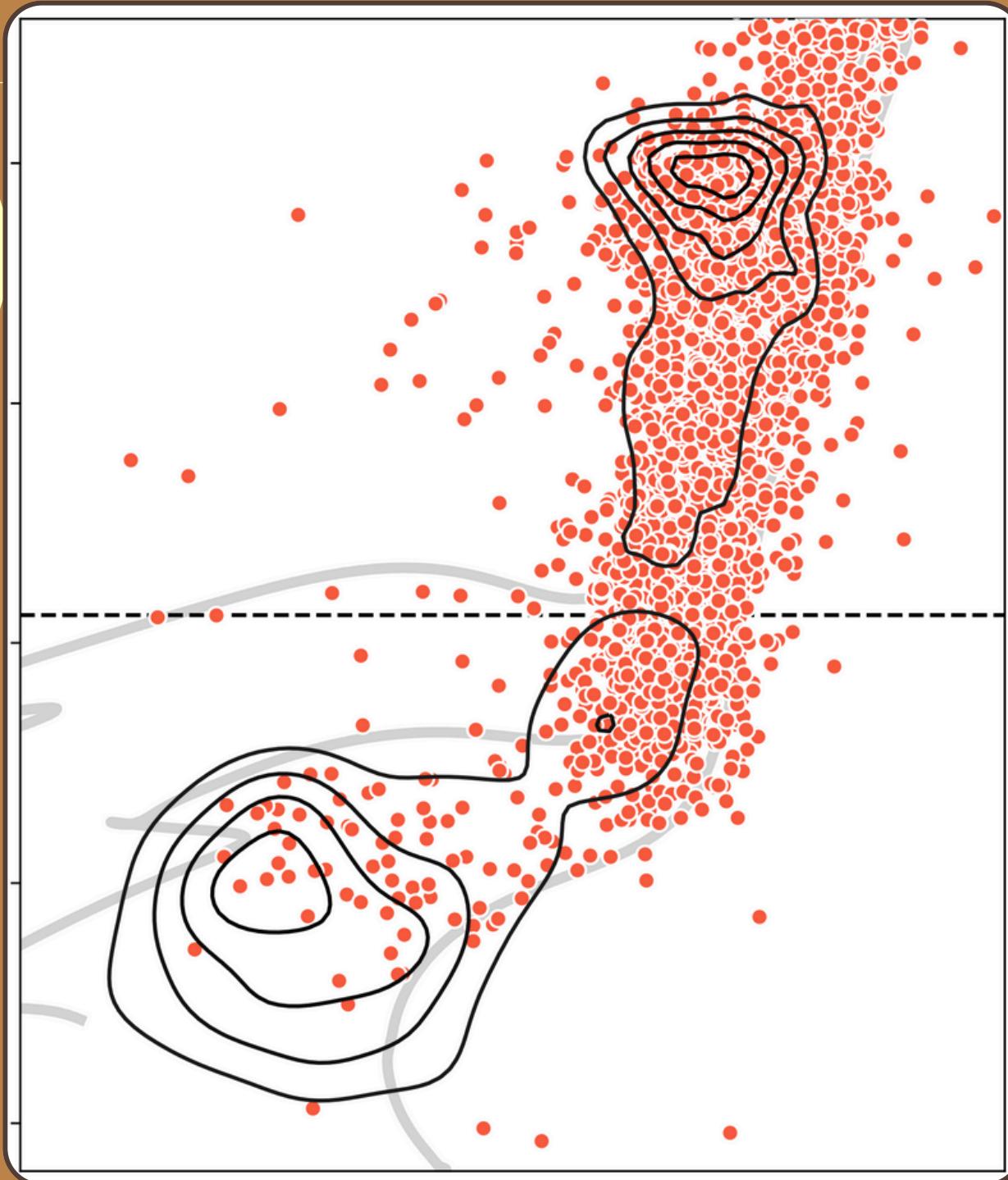
# The big projects

- ✓ Detecting (Solar-like) Oscillations in Large datasets
- ✓ Constraining Core Rotation and Magnetism

*'Evolutionary status'*



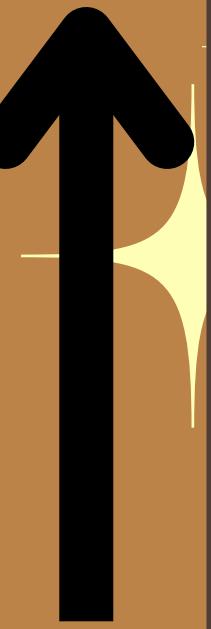
*Temperature*



*Temperature*

4,177 new detections

‘Evolutionary status’

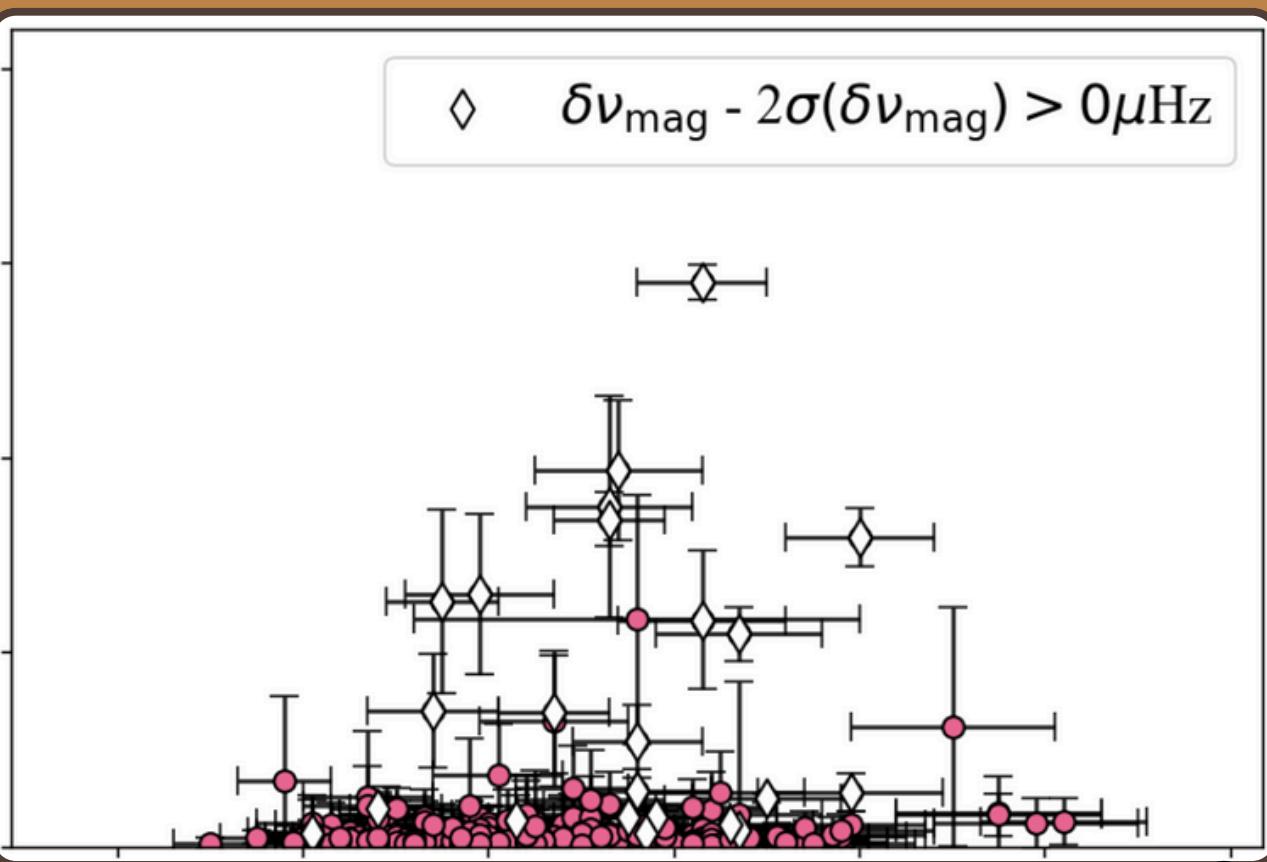
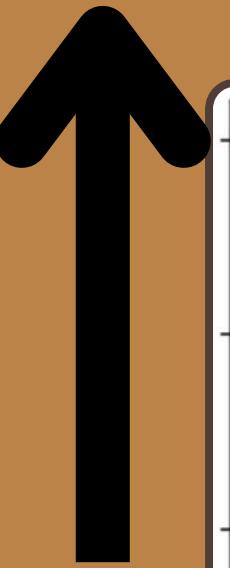


# The big projects

- ✓ Detecting Solar-like Oscillations in Large datasets
- ✓ Constraining Core Rotation and Magnetism

# Result #2

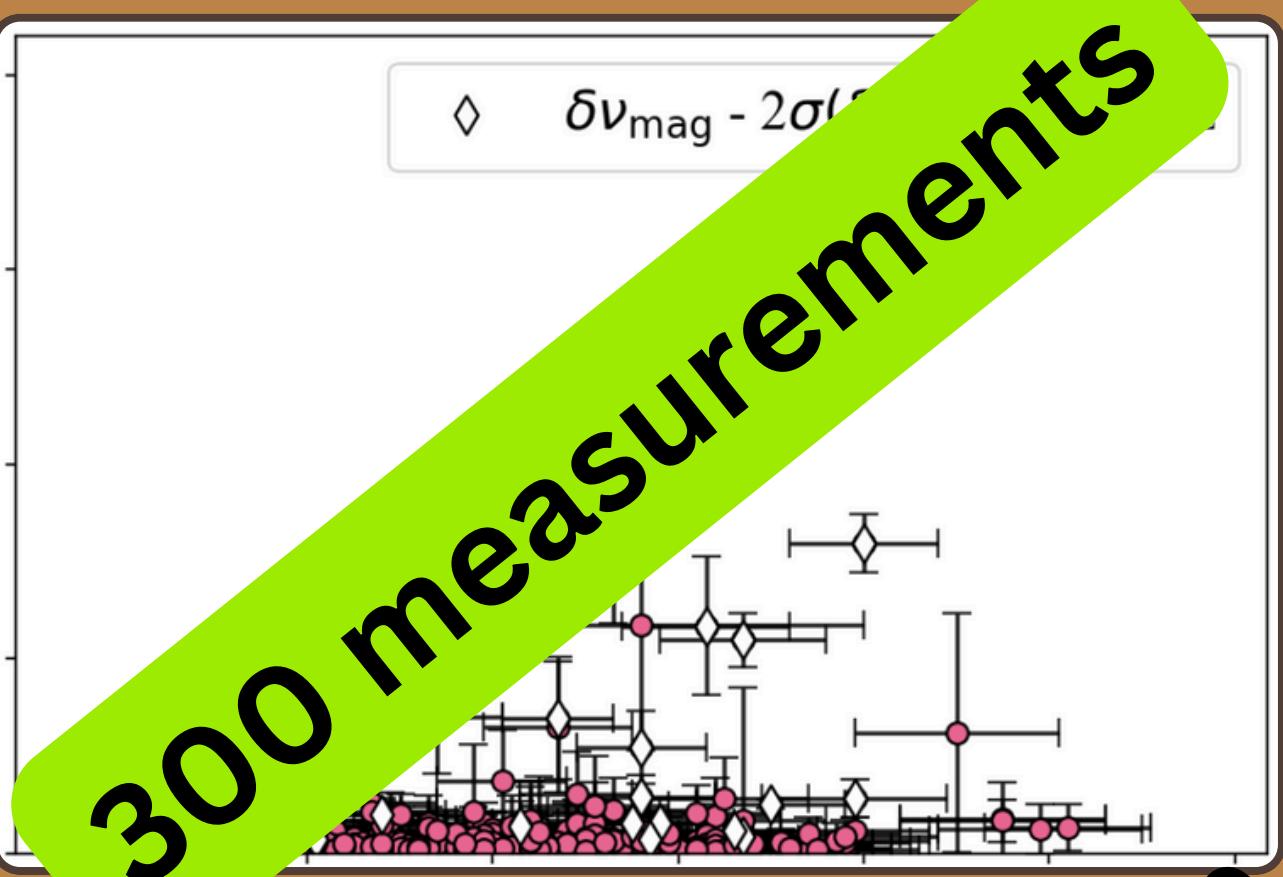
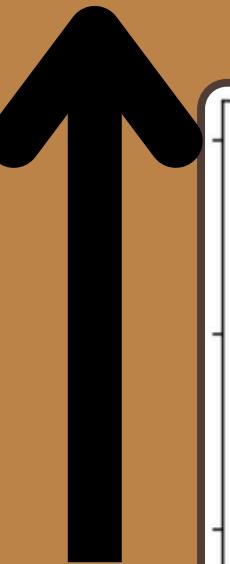
'Magnetic Field Strength'



*Stellar Mass*

# Result #2

'Magnetic Field Strength'

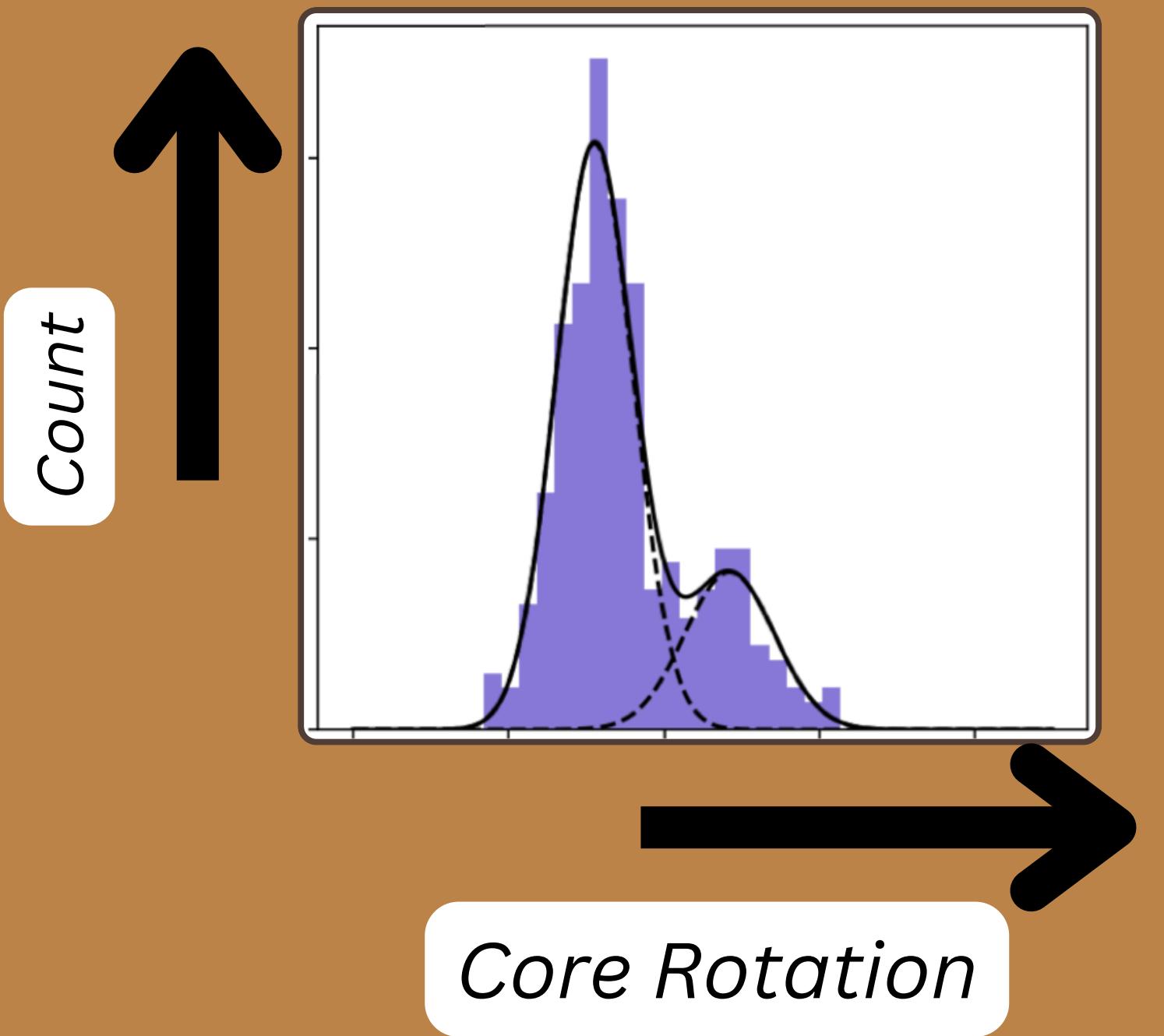


300 measurements

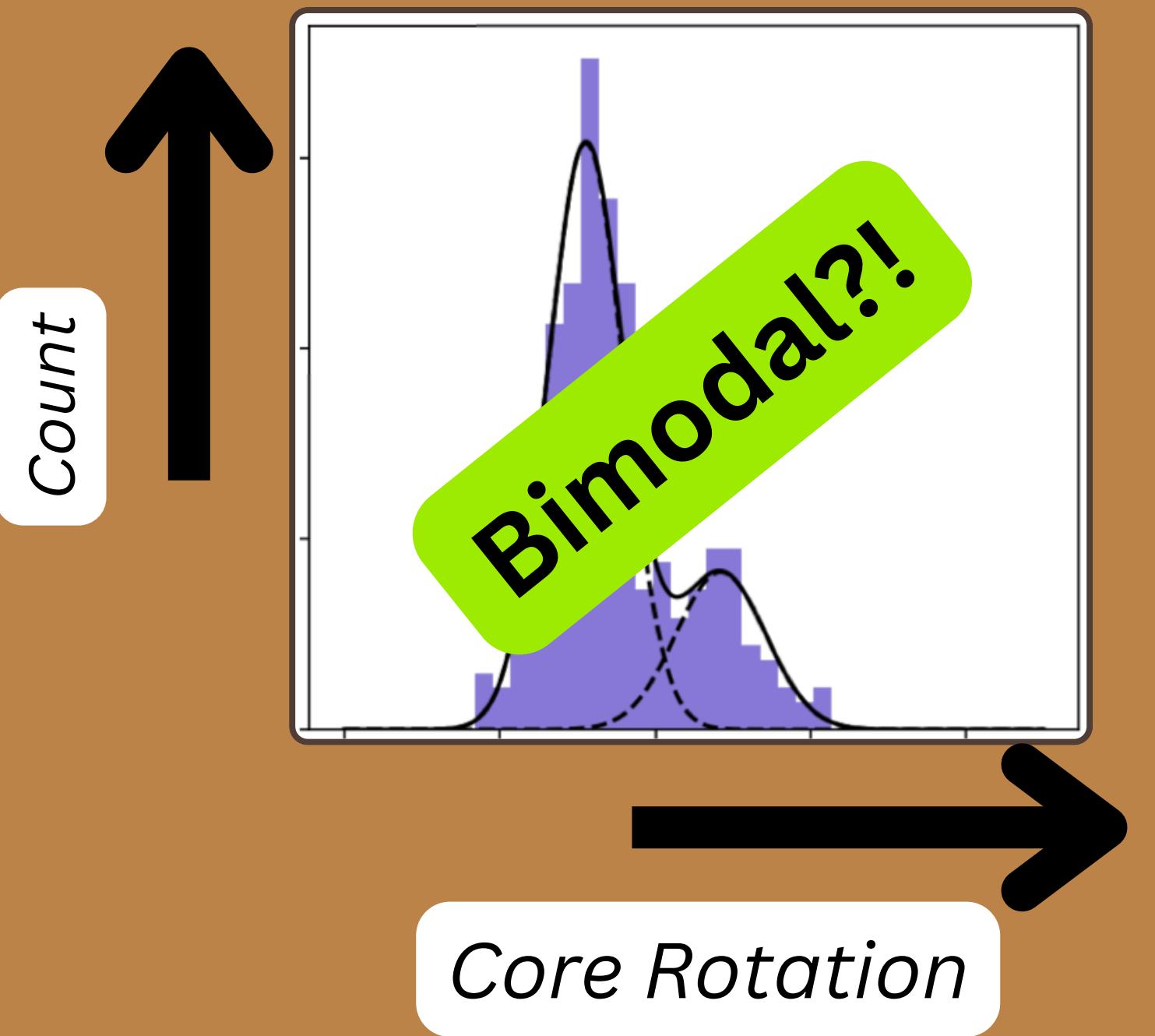


*Stellar Mass*

# Result #2



# Result #2



# Ongoing projects

State-of-the-art  
modelling of M4

Asteroseismology  
of TESS **planet**  
hosts

New space  
mission  
**HAYDN**

