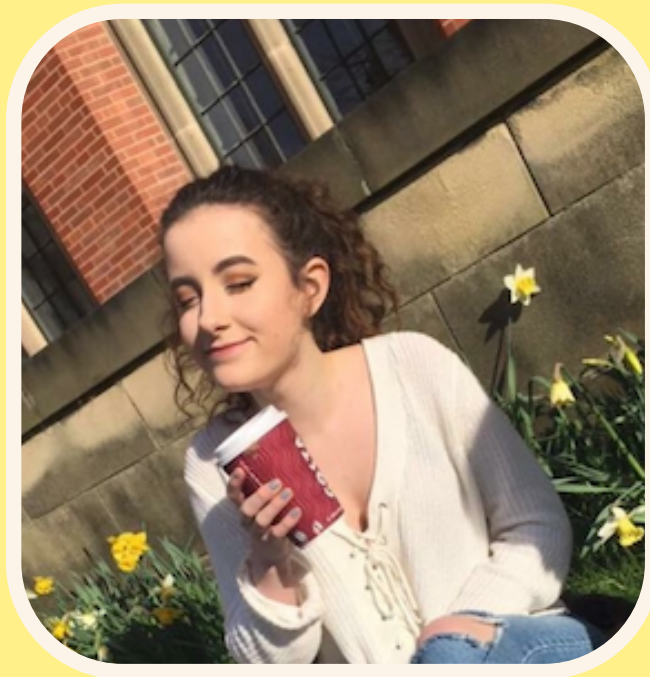




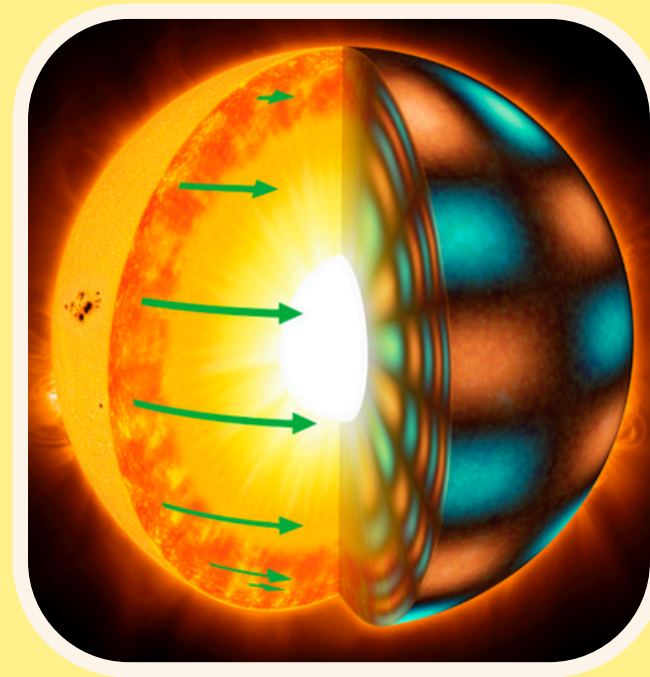
# Dancing with the Stars

Dr. Emily Hatt

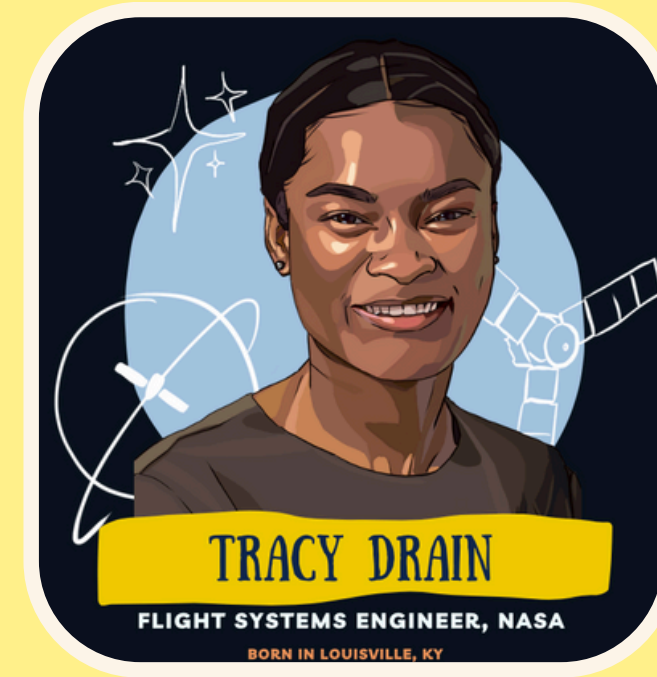
# Who am I?



*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

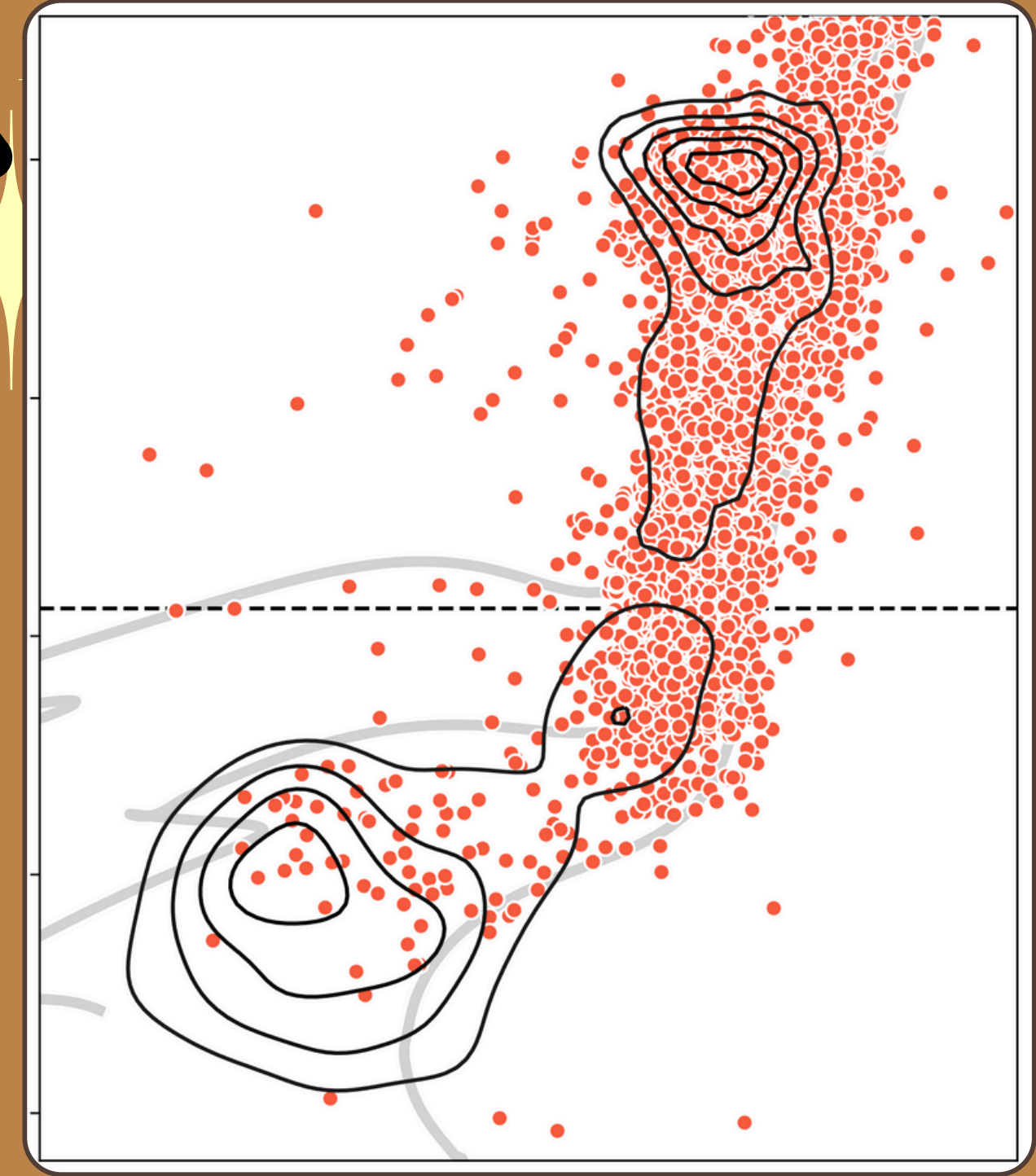
✓ Constraining Core  
Rotation and  
Magnetism

# The big projects

✓ Detecting (Solar-like)  
Oscillations in Large  
datasets

✓ Constraining Core  
Rotation and  
Magnetism

*‘Evolutionary status’*



*Temperature*



*‘Evolutionary status’*



*Temperature*

# The big projects

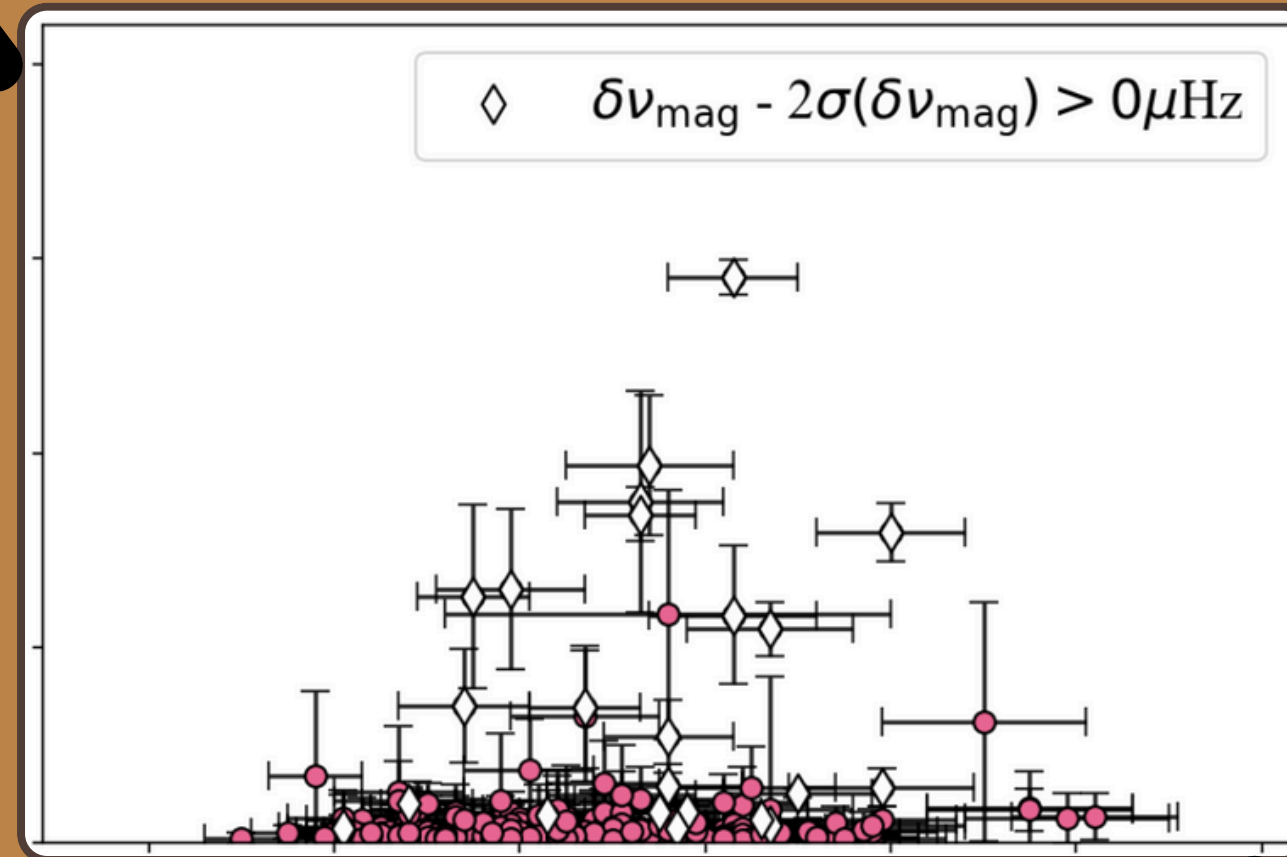
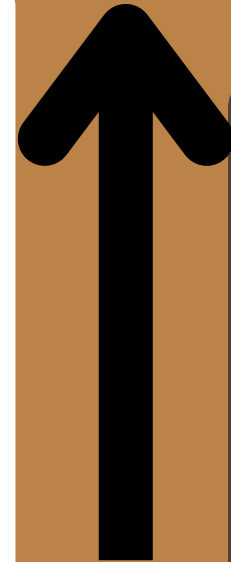
✓ Detecting Solar-like  
Oscillations in Large  
datasets

✓ Constraining Core  
Rotation and  
Magnetism



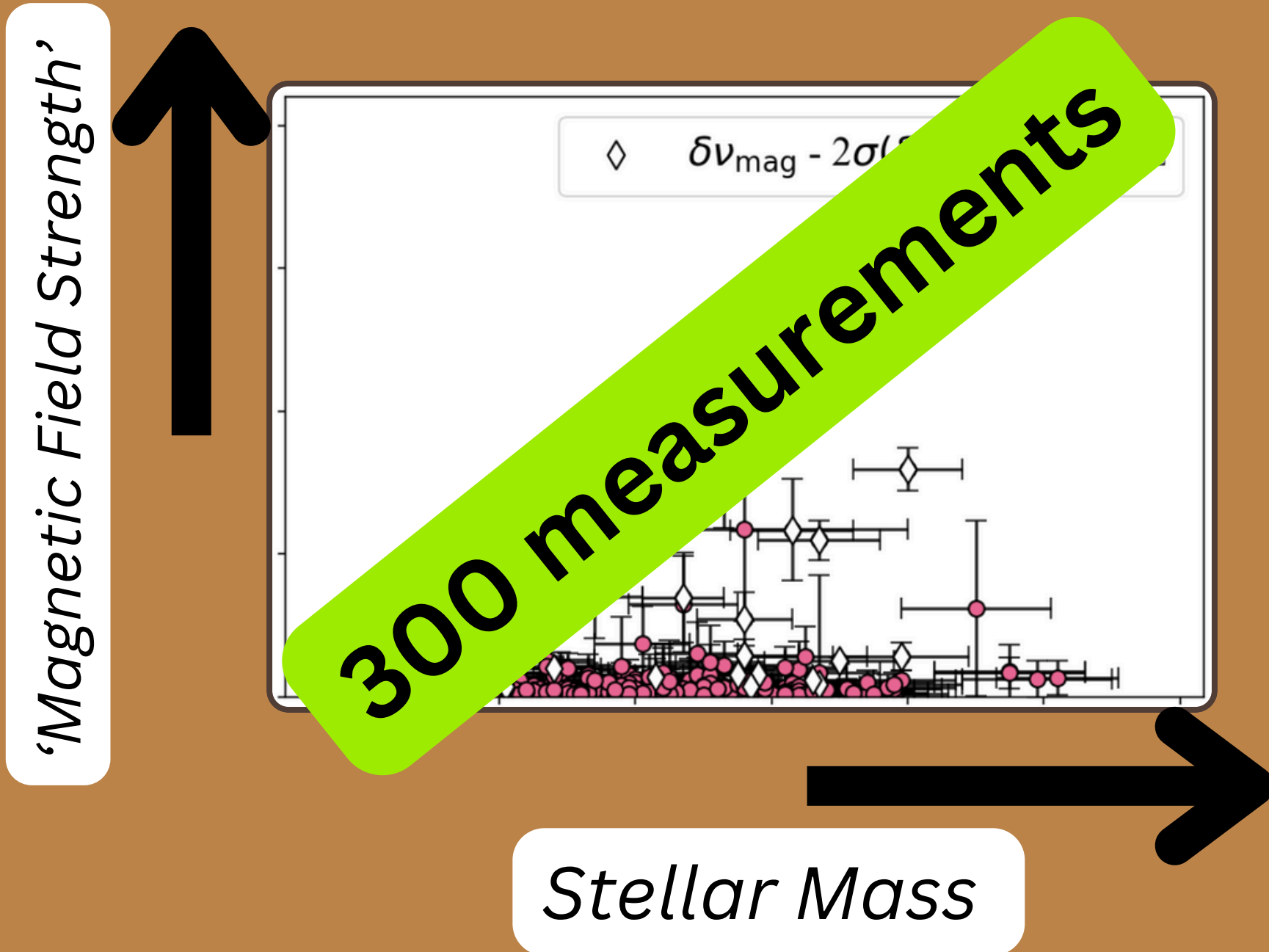
# Result #2

*'Magnetic Field Strength'*

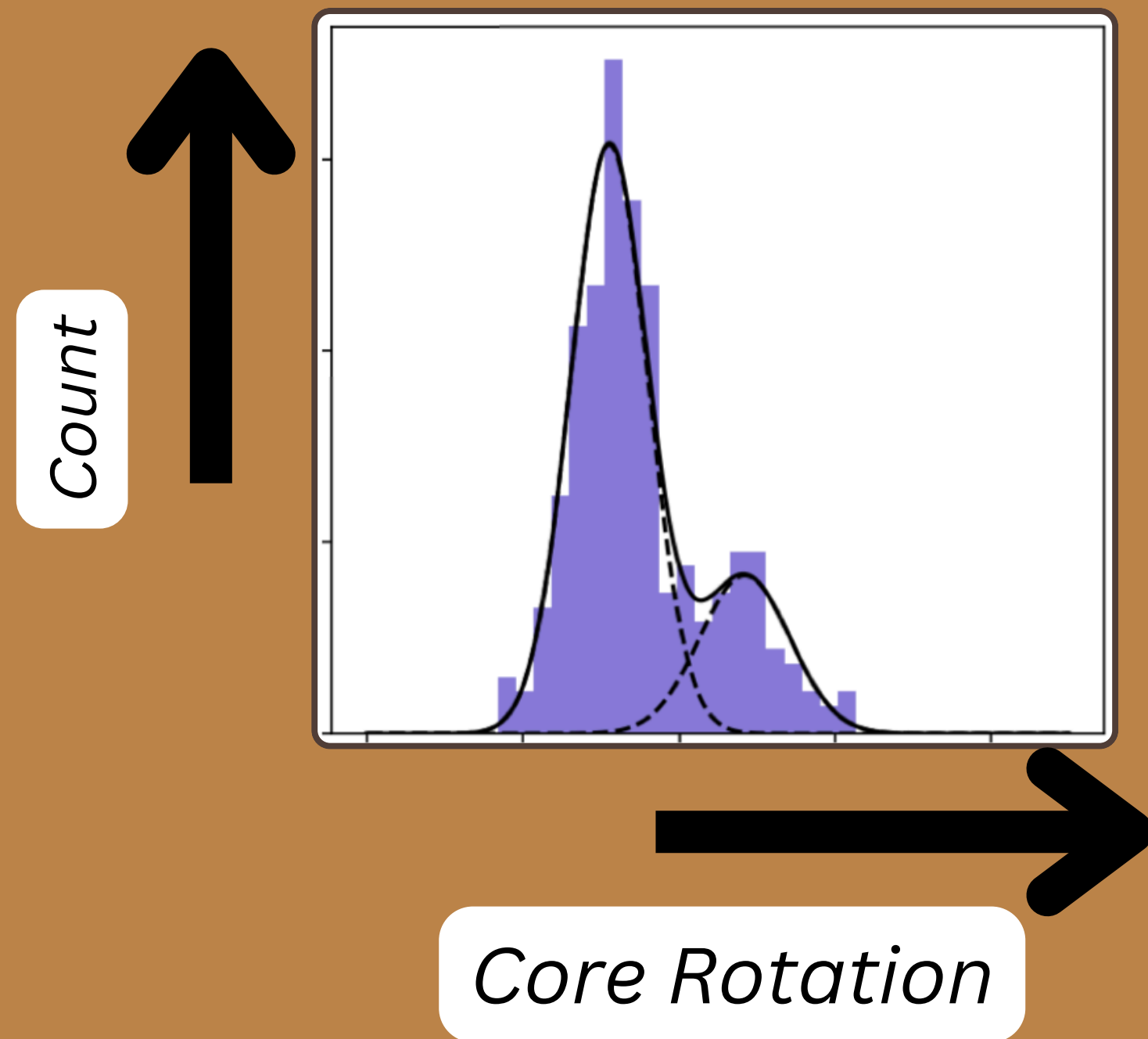


*Stellar Mass*

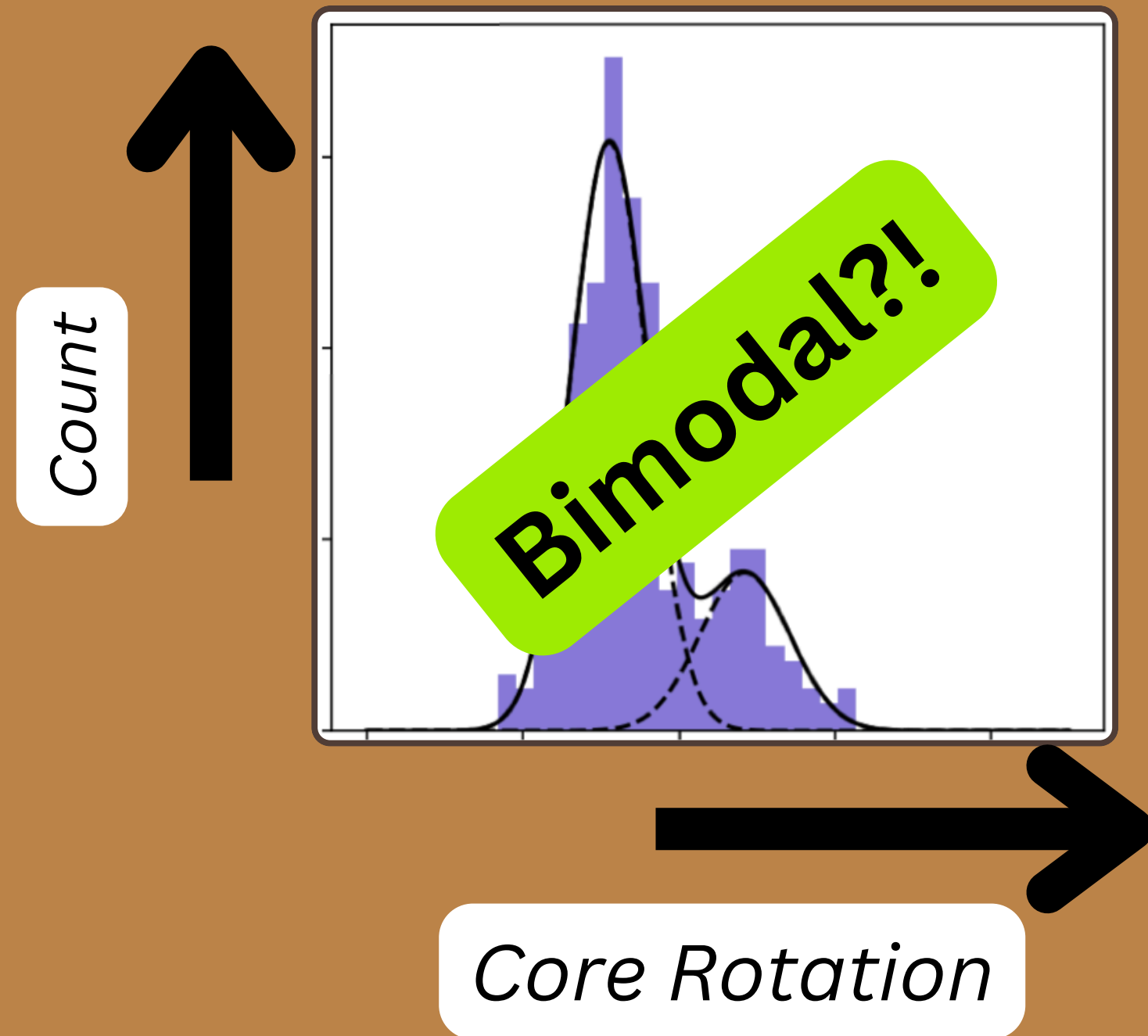
# Result #2



# Result #2



# Result #2



# Ongoing projects

State-of-the-art  
**modelling** of M4

Asteroseismology  
of TESS **planet**  
**hosts**

New space  
mission  
**HAYDN**

