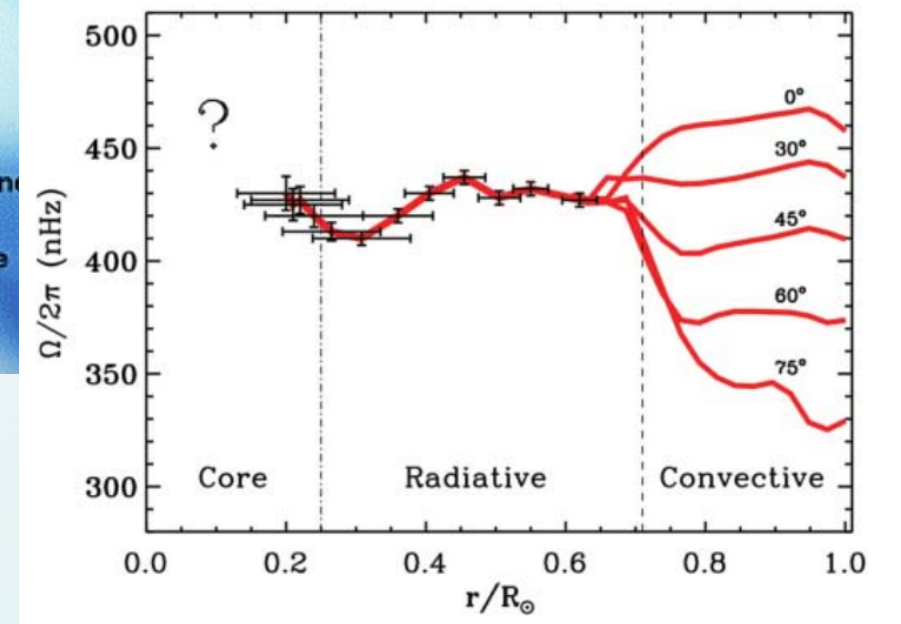
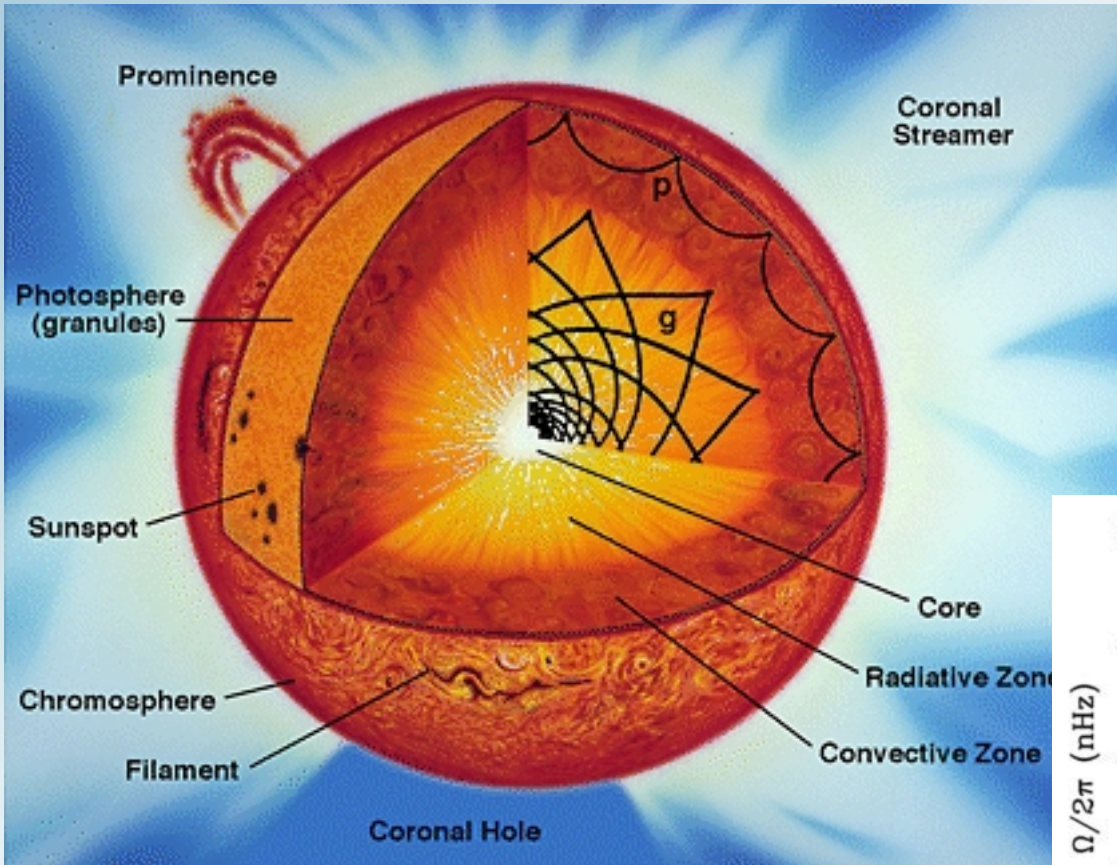


# Solar g-mods

*Marek Stęślicki*

JC  
12.10.2007

# Helioseismology

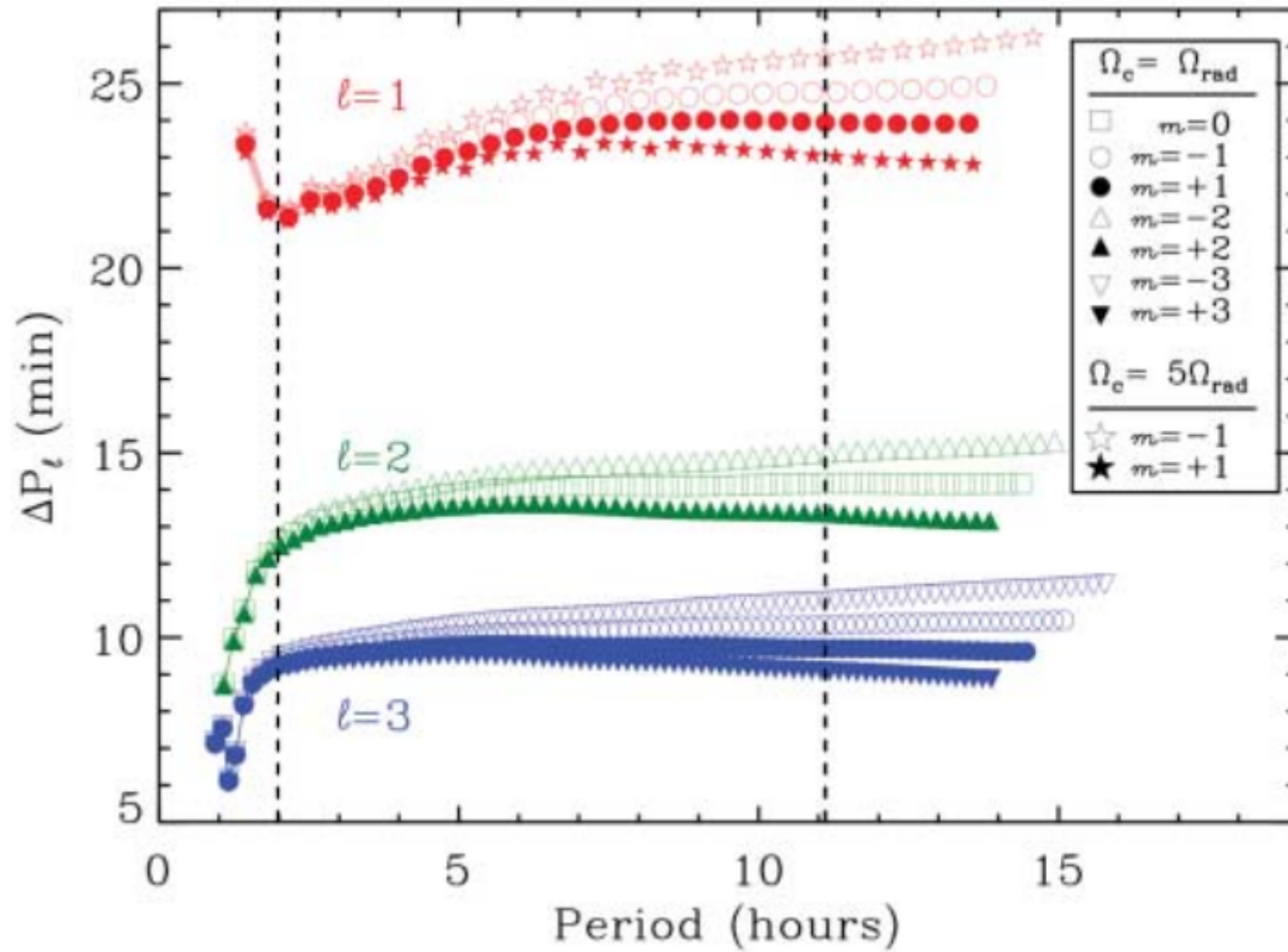


# Tracking Solar Gravity Modes: The Dynamics of the Solar Core

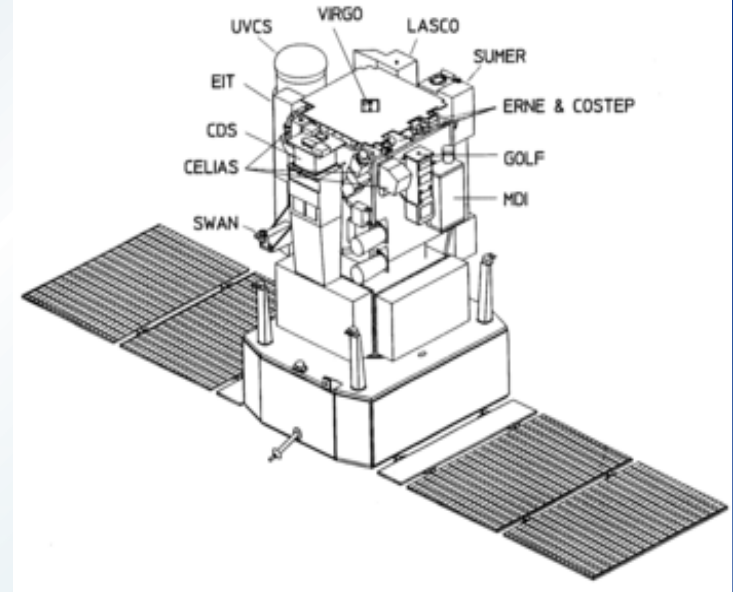
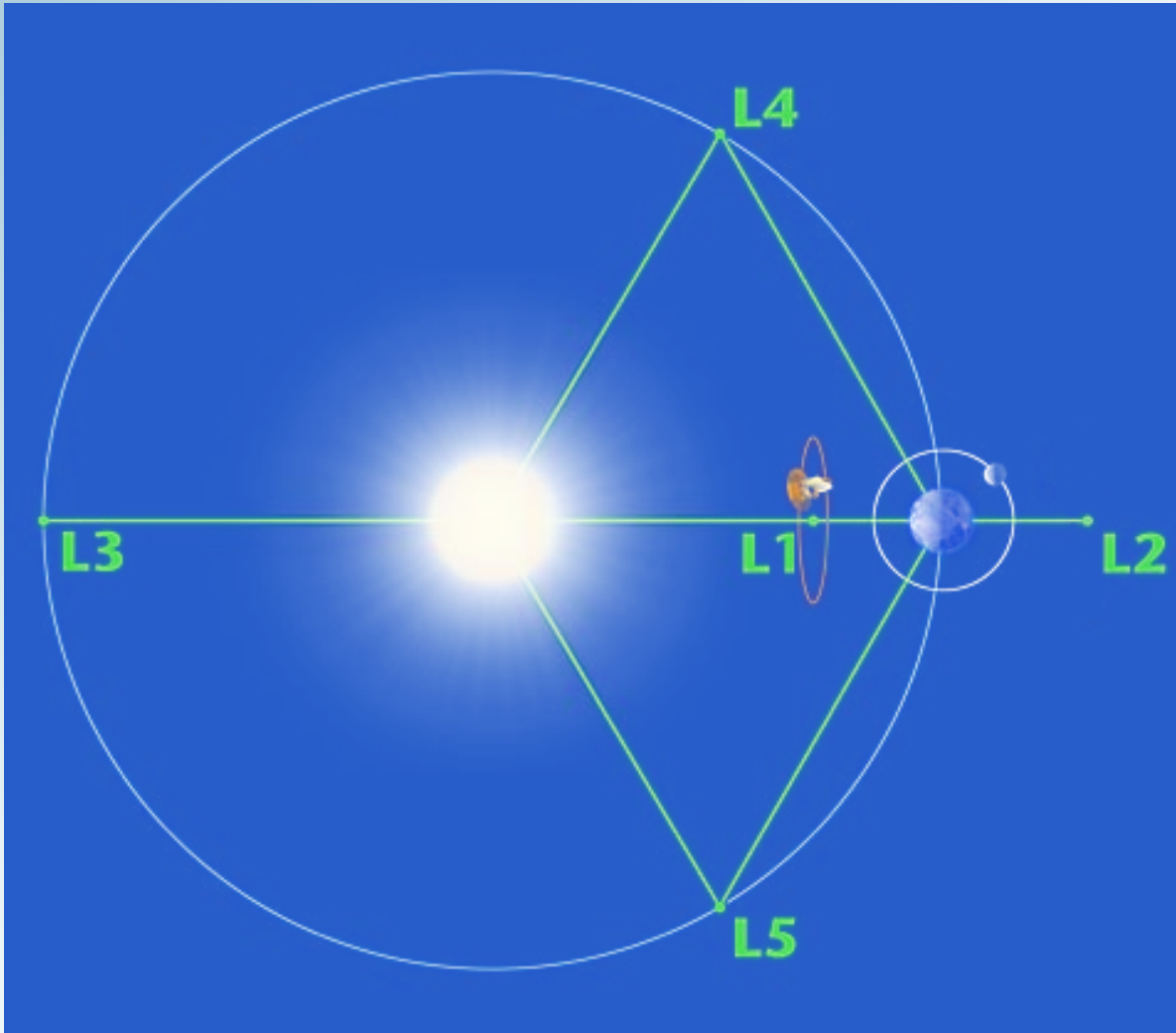
*(García, R. A. et al., 2007, Sci 316, 1591)*



# Separation in the period



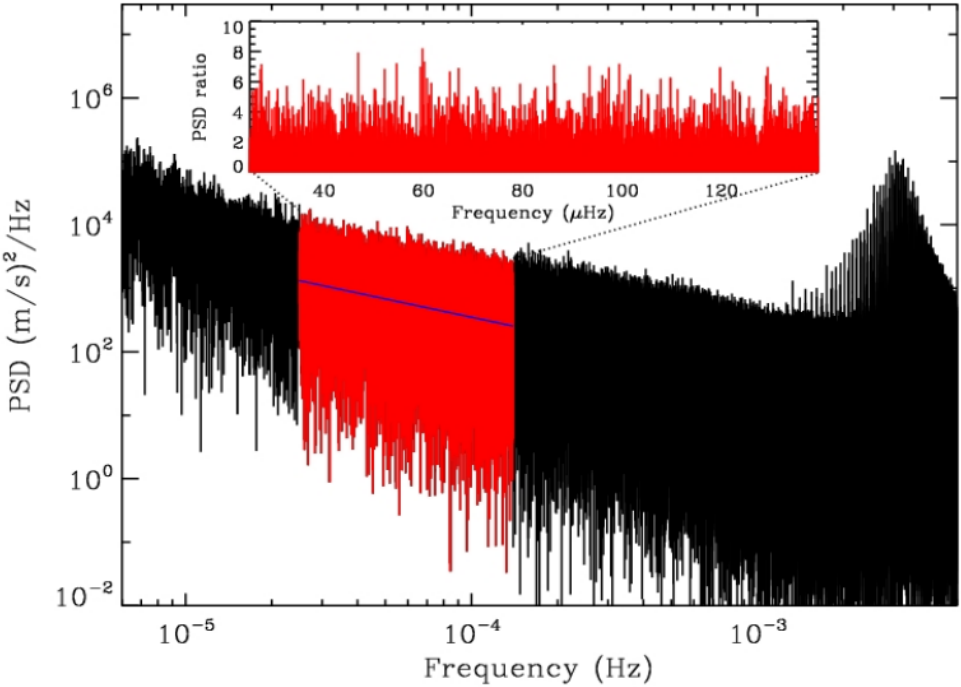
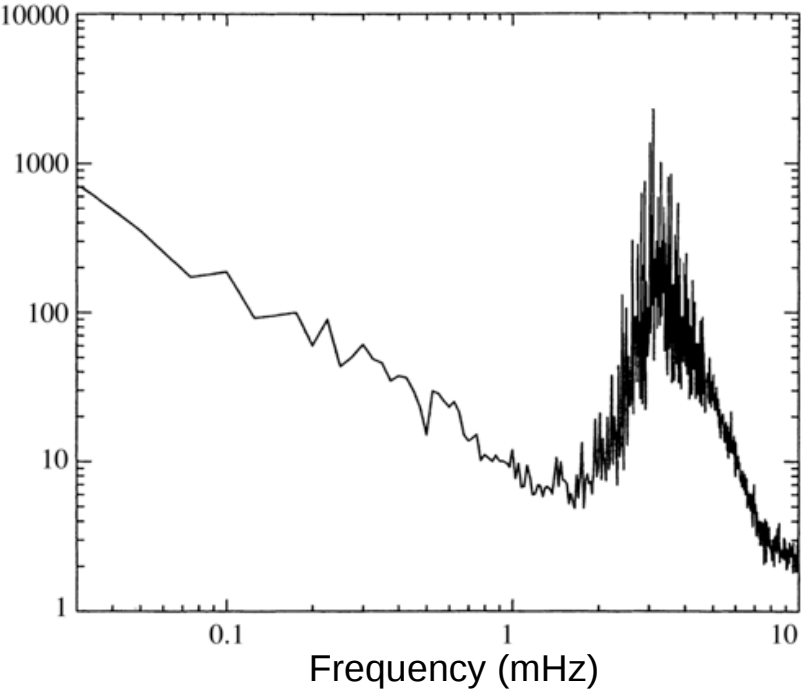
# SOHO



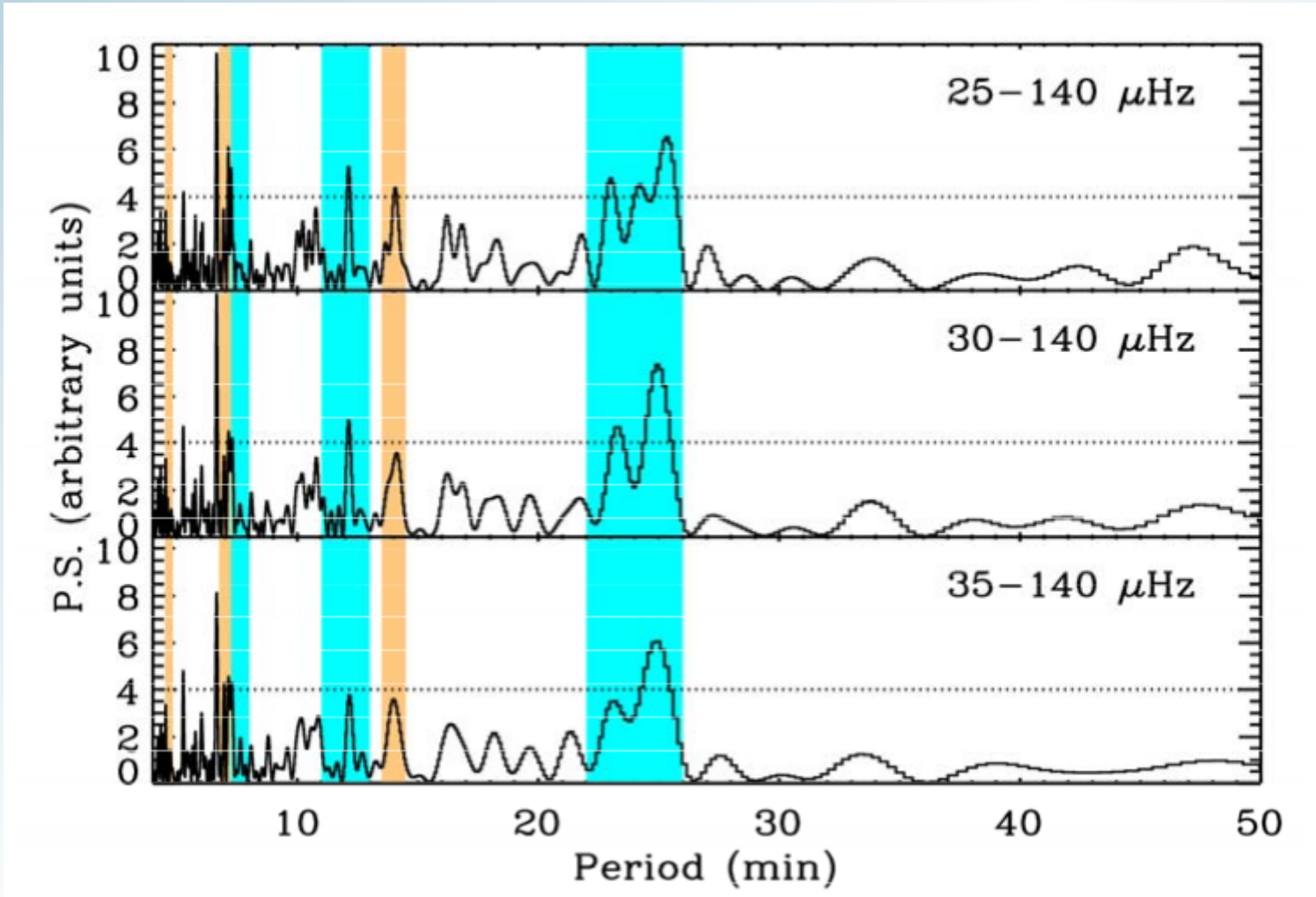
## Helioseismology:

- **GOLF** (Global Oscillations at Low Frequencies)
- **VIRGO** (Variability of Solar IRradiance and Gravity Oscillations)
- **MDI** (Michelson Doppler Imager)

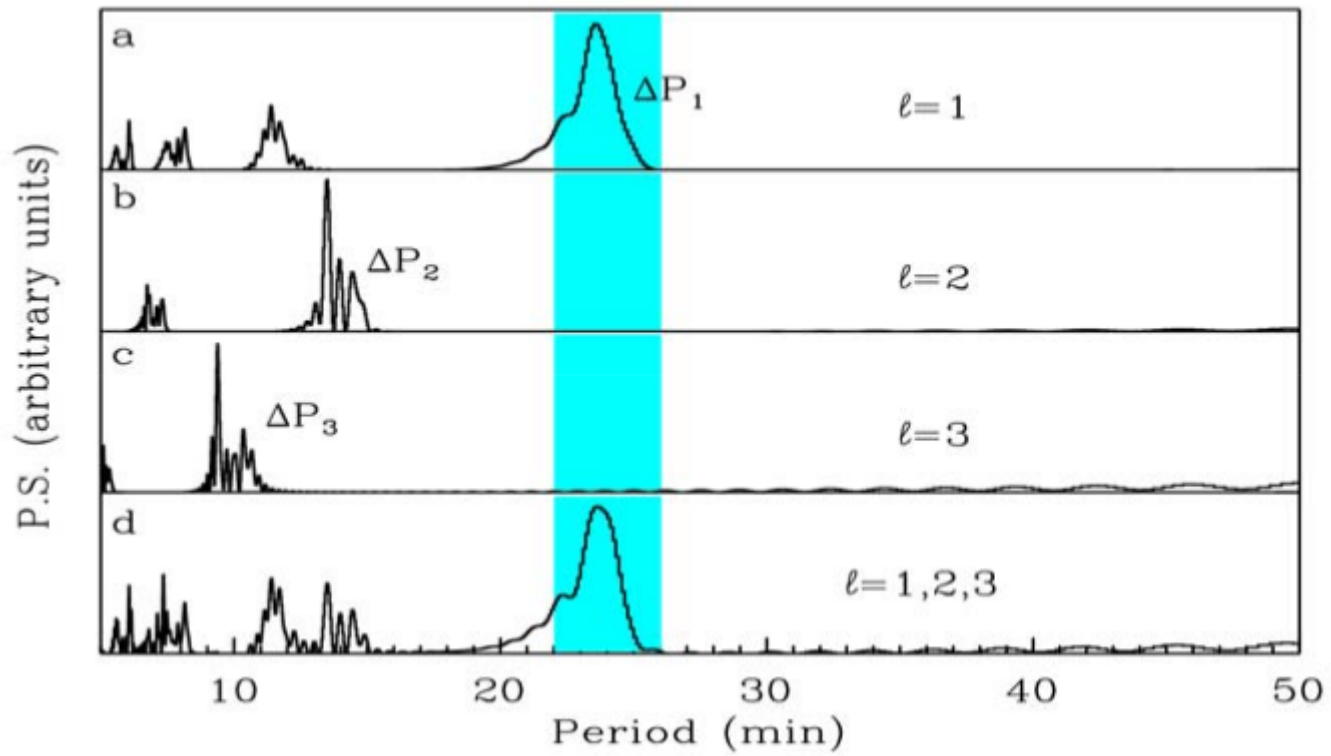
# GOLF data



## Structure in the region centered at 24 min.

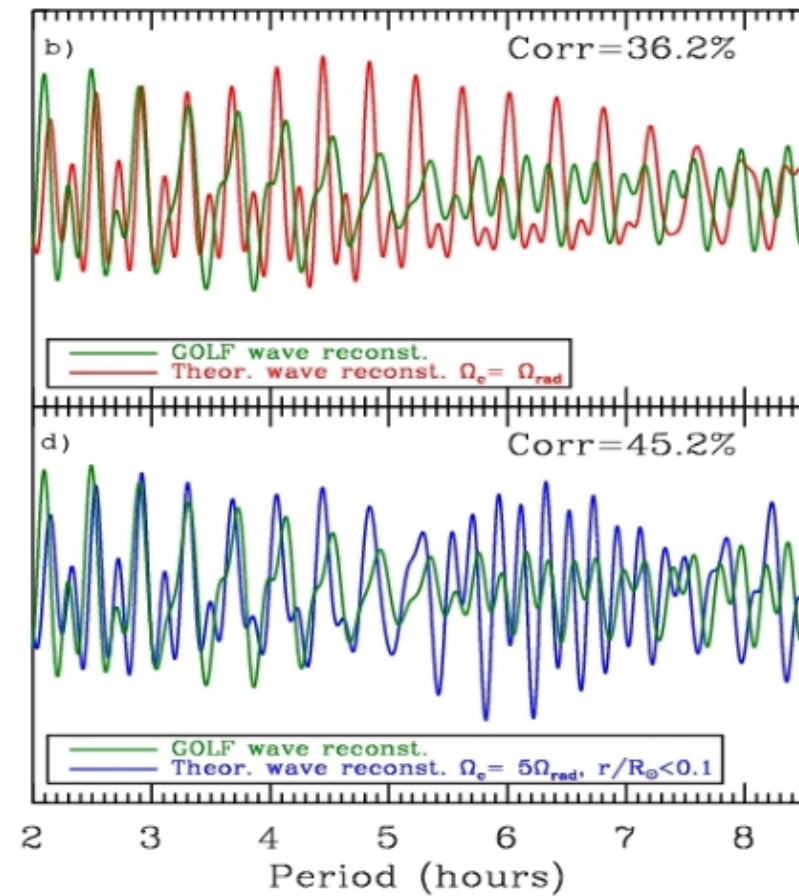
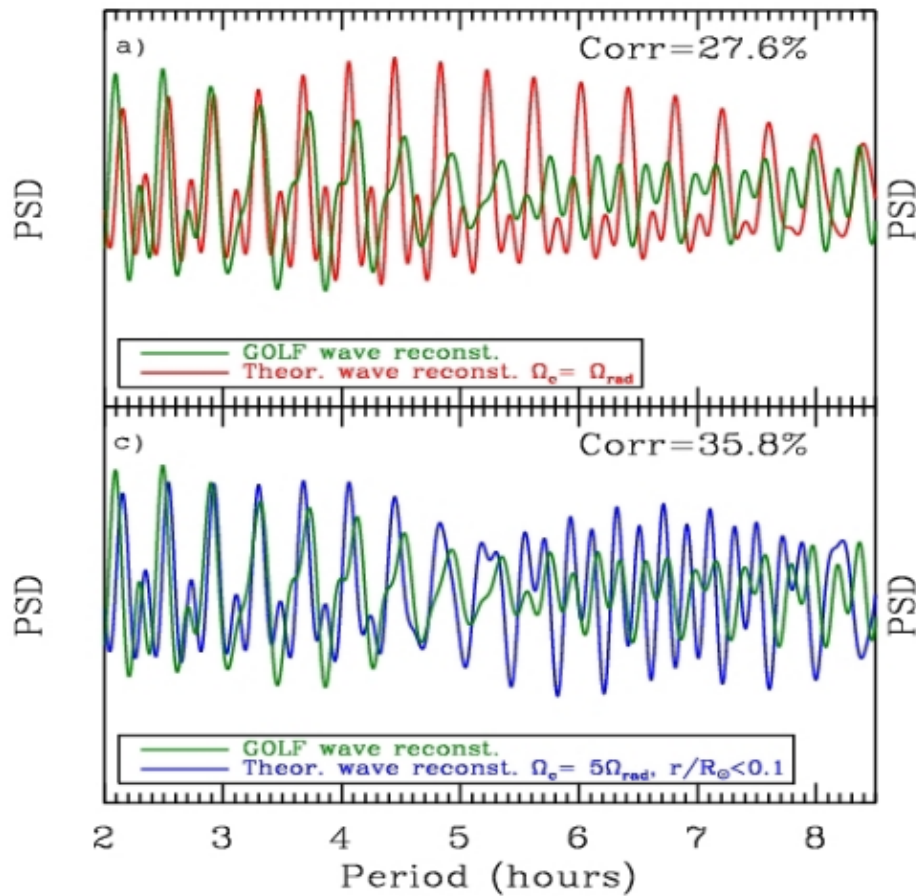


# Model

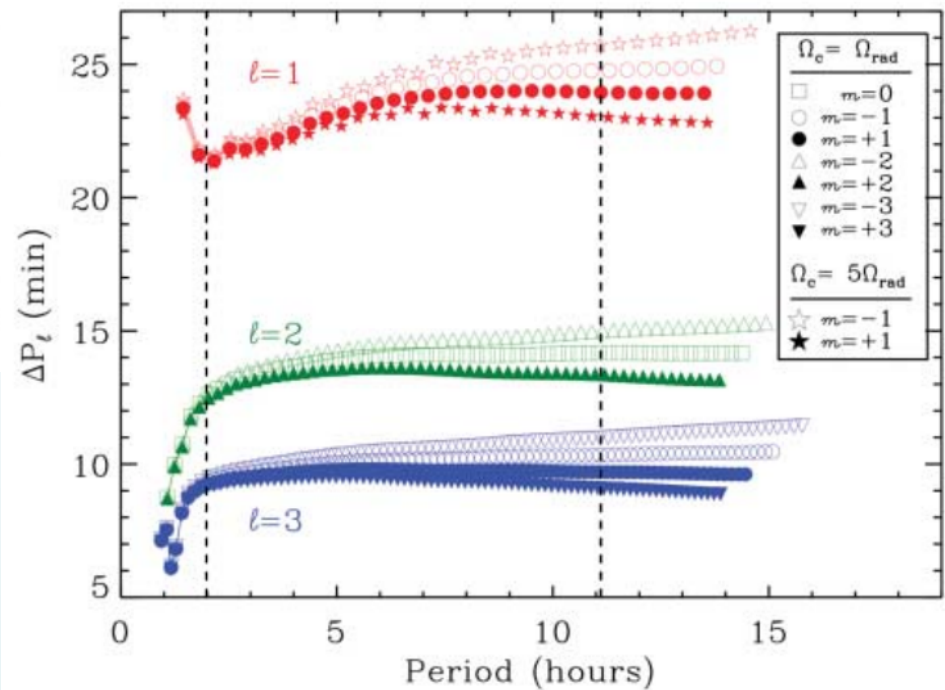
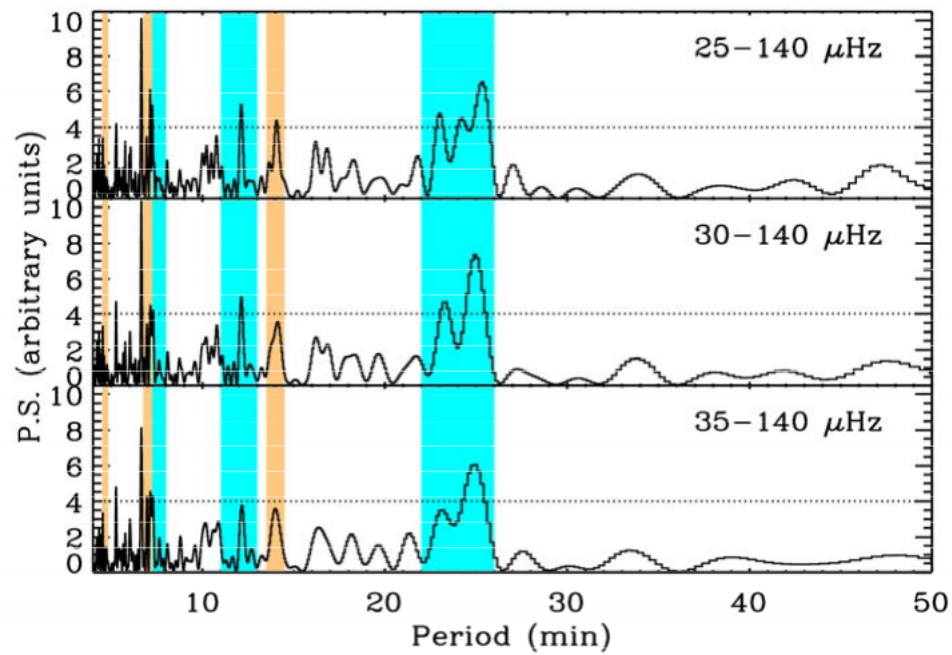




# Core rotation



# Rotation rate of the core



# Lifetime of the gravity modes

