

# ASTR/PHYS 5590: High Energy Astrophysics

## Week 11

Discuss Changes to Syllabus

Only 1 Month Remaining  
to complete Project!

Neutron Stars (Ch. 13.9 & 13.10, perhaps 13.5.2, 13.5.4, & 13.5.5)

# Share Syllabus Webpage

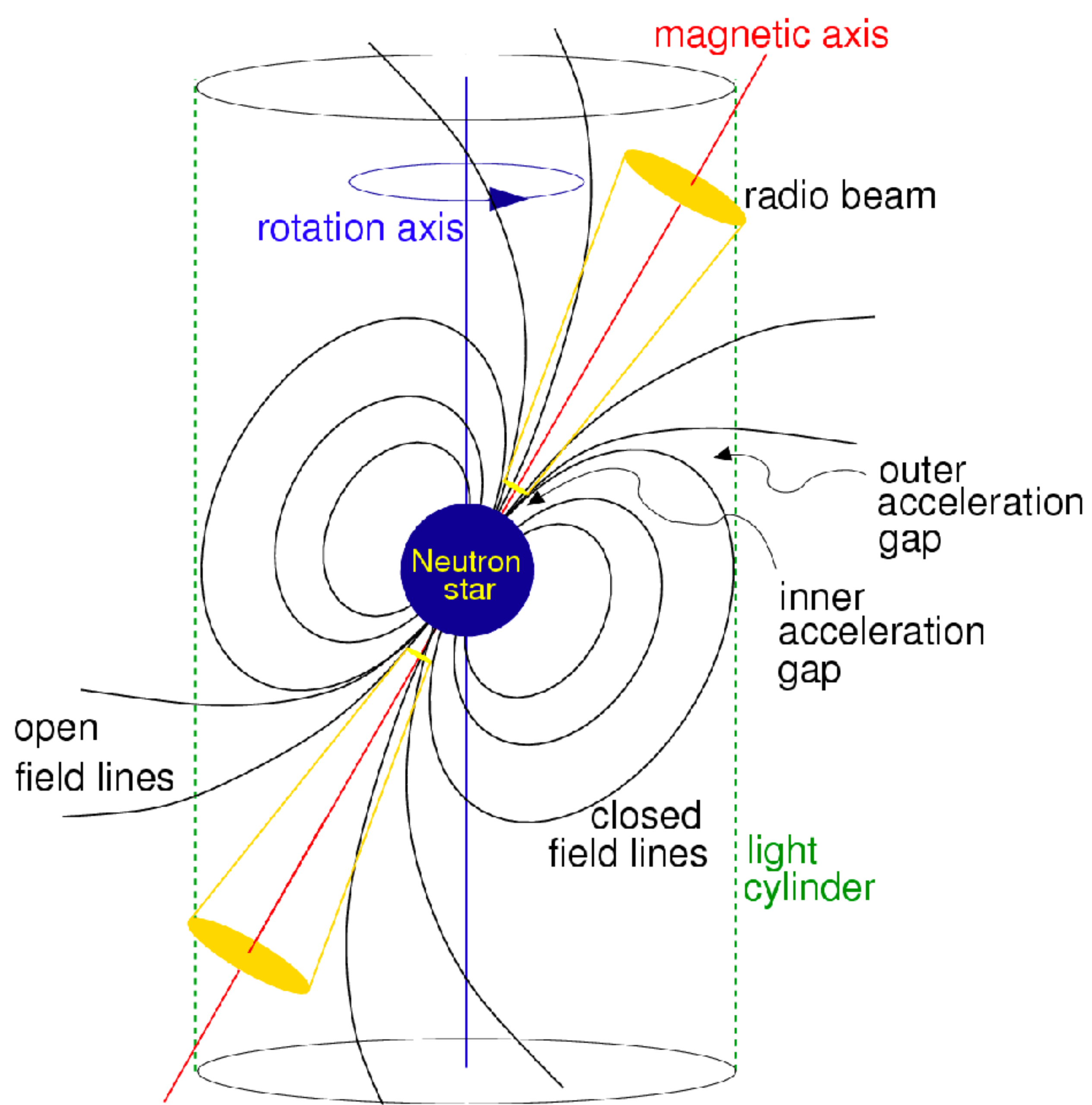


Fig. 13.15



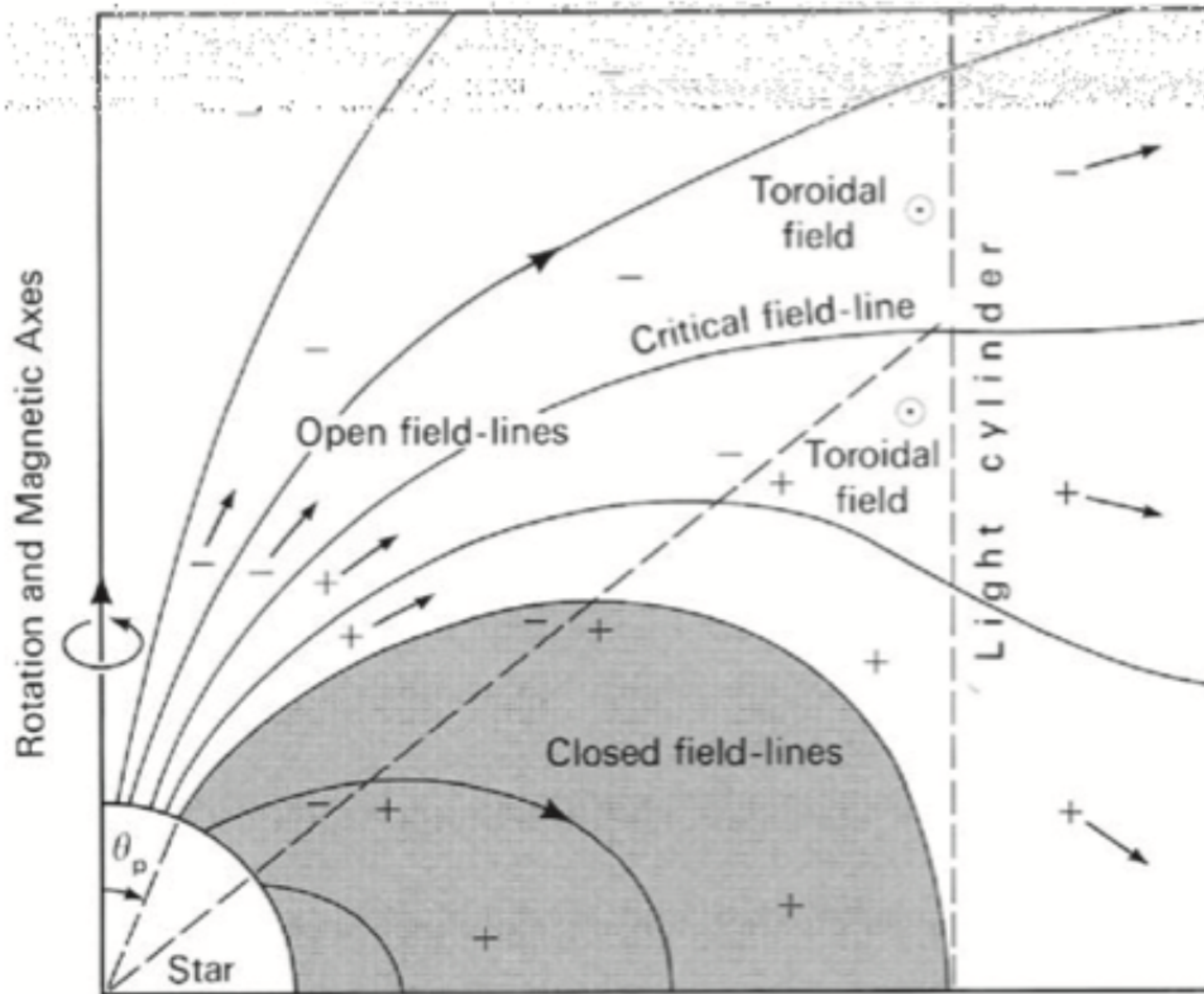



Fig. 13.23

# Pulsar Computer Simulation

https://www.youtube.com/watch?v=jwC6\_oWwbSE



► LiveSlides web content

To view

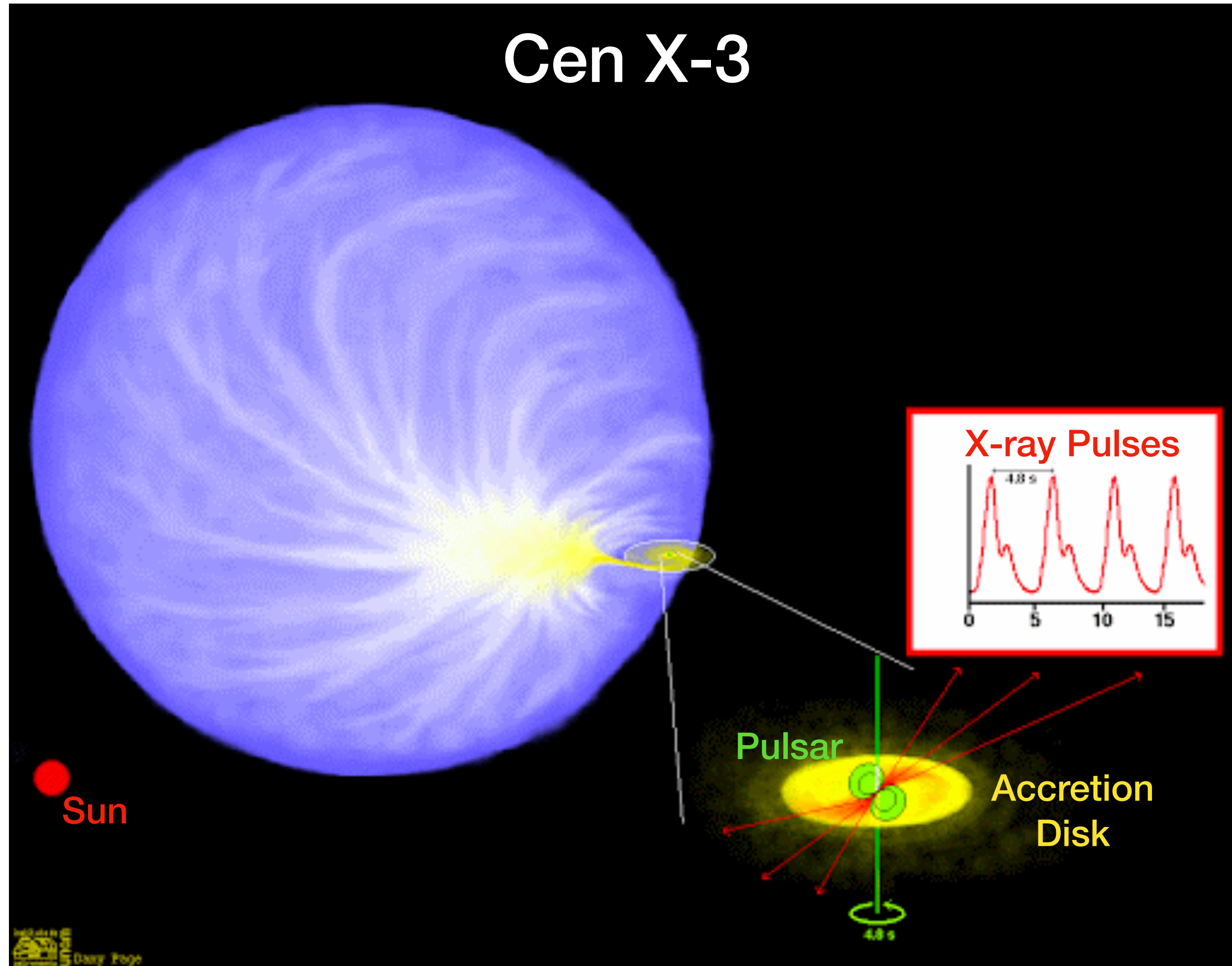
**Download the add-in.**  
[liveslides.com/download](https://liveslides.com/download)

**Start the presentation.**

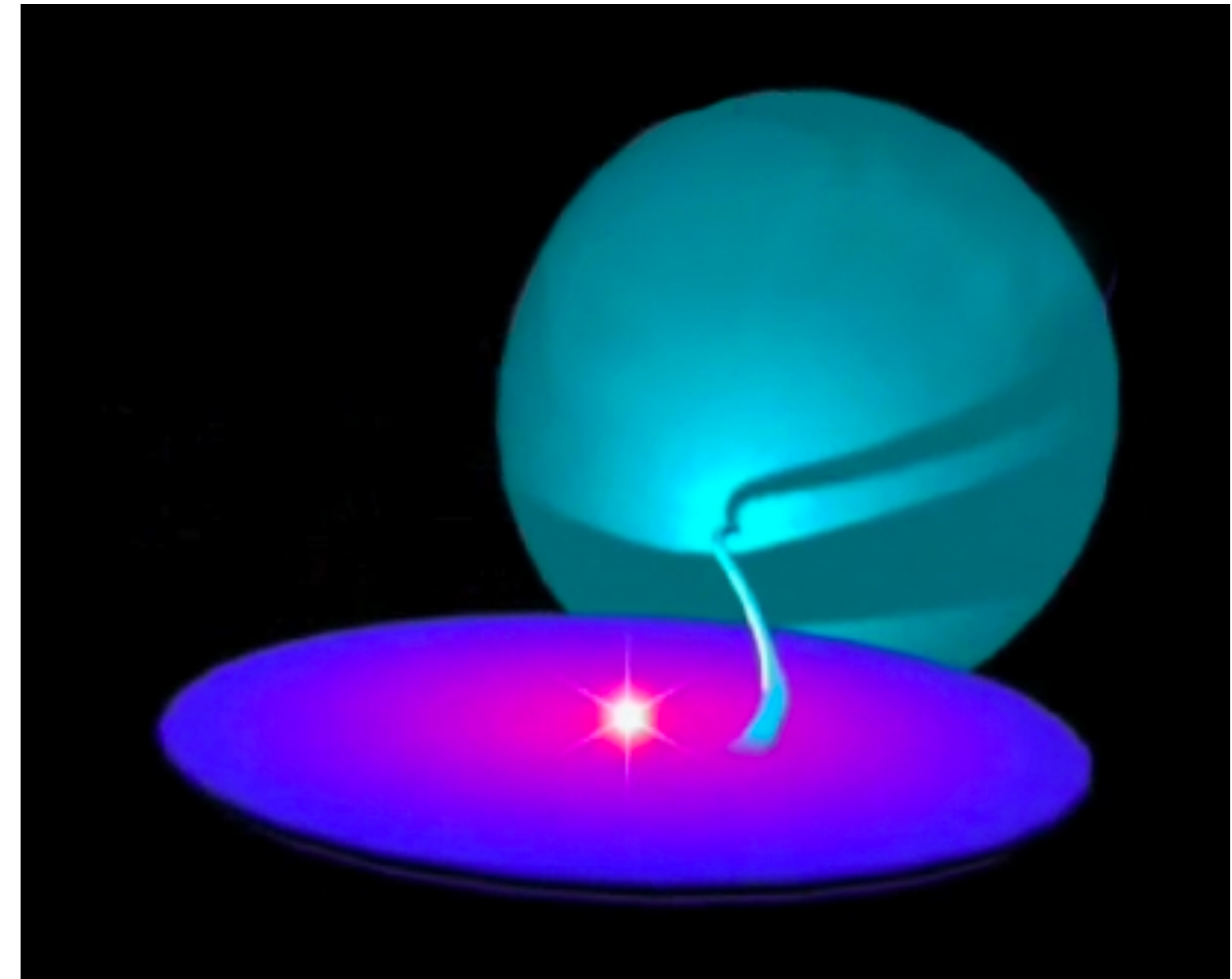


# High Mass X-ray Binaries

## Cen X-3

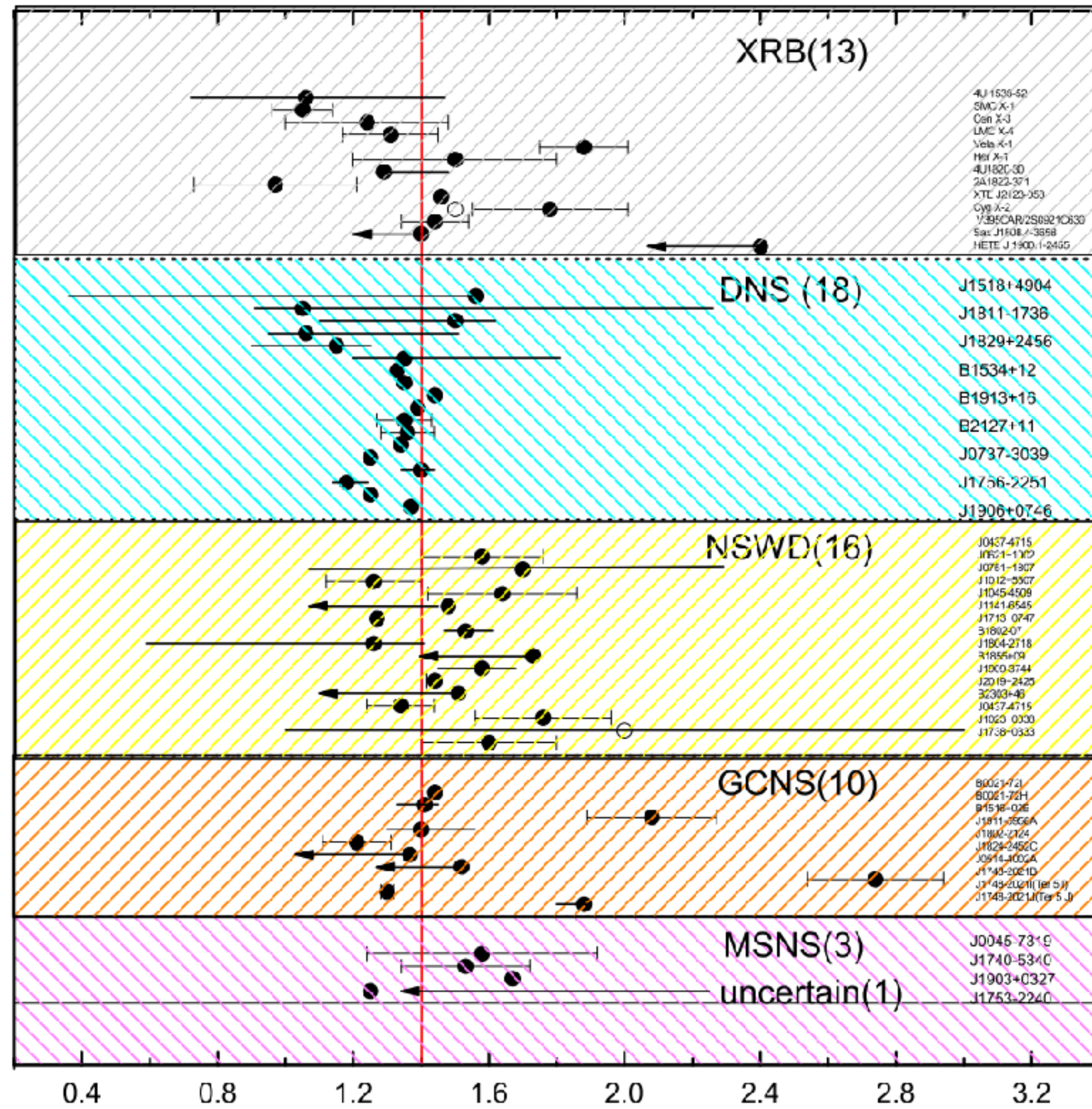


## Her X-1

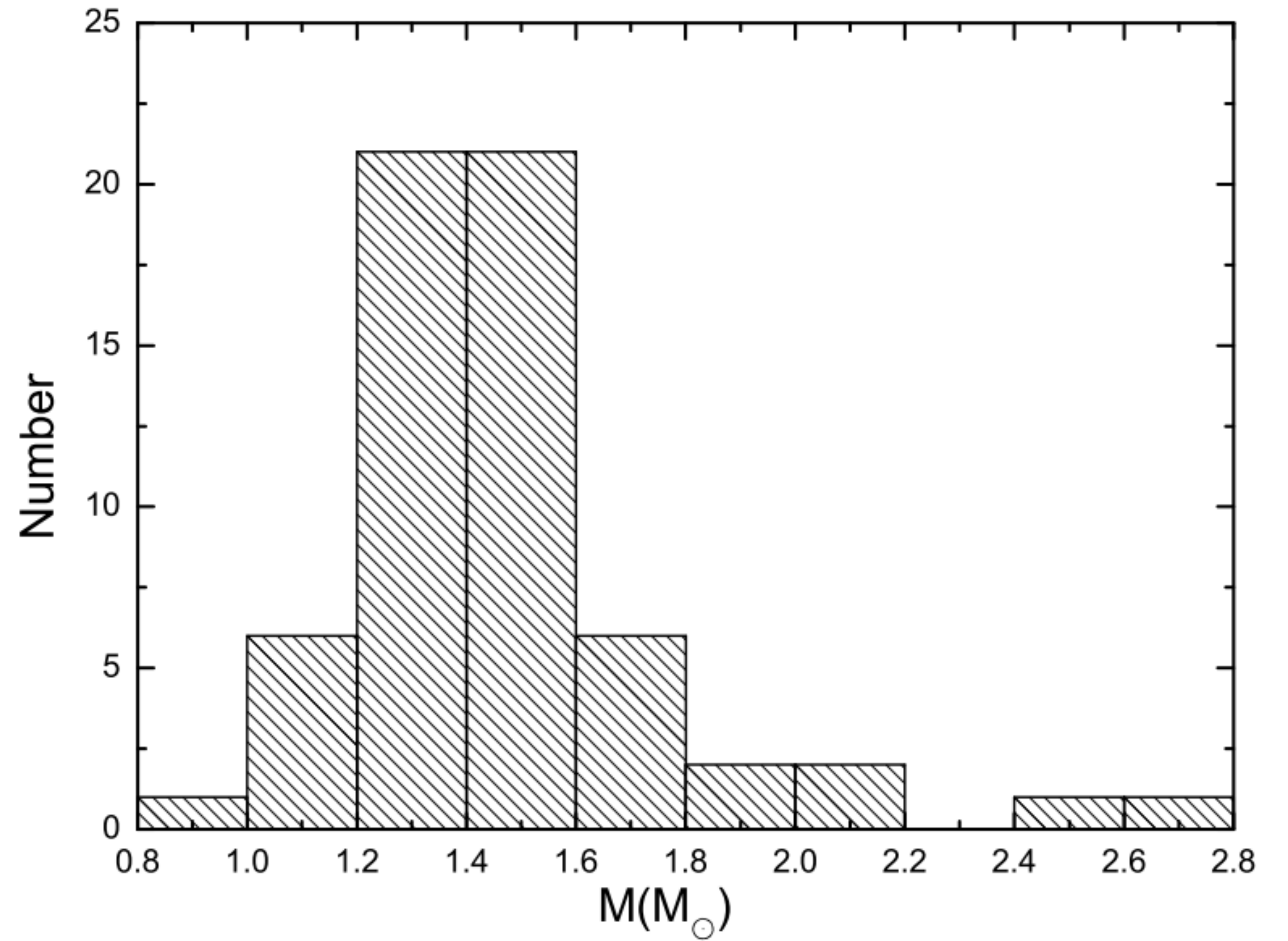




# NS Mass Measurements



List of 61 Neutron Star Masses ( $M_{\odot}$ )



Zhang et al. 2011



# NS Mass Measurements

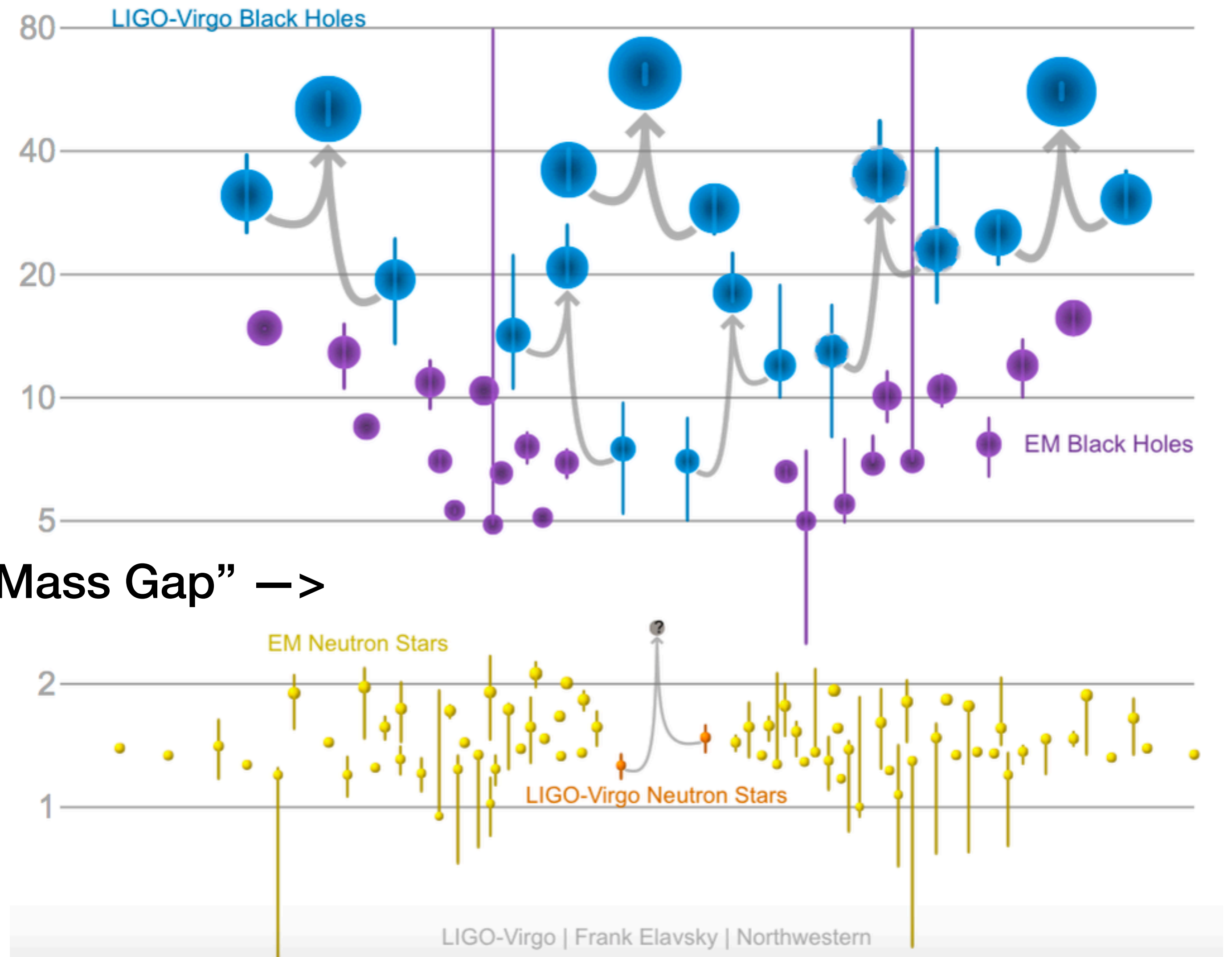
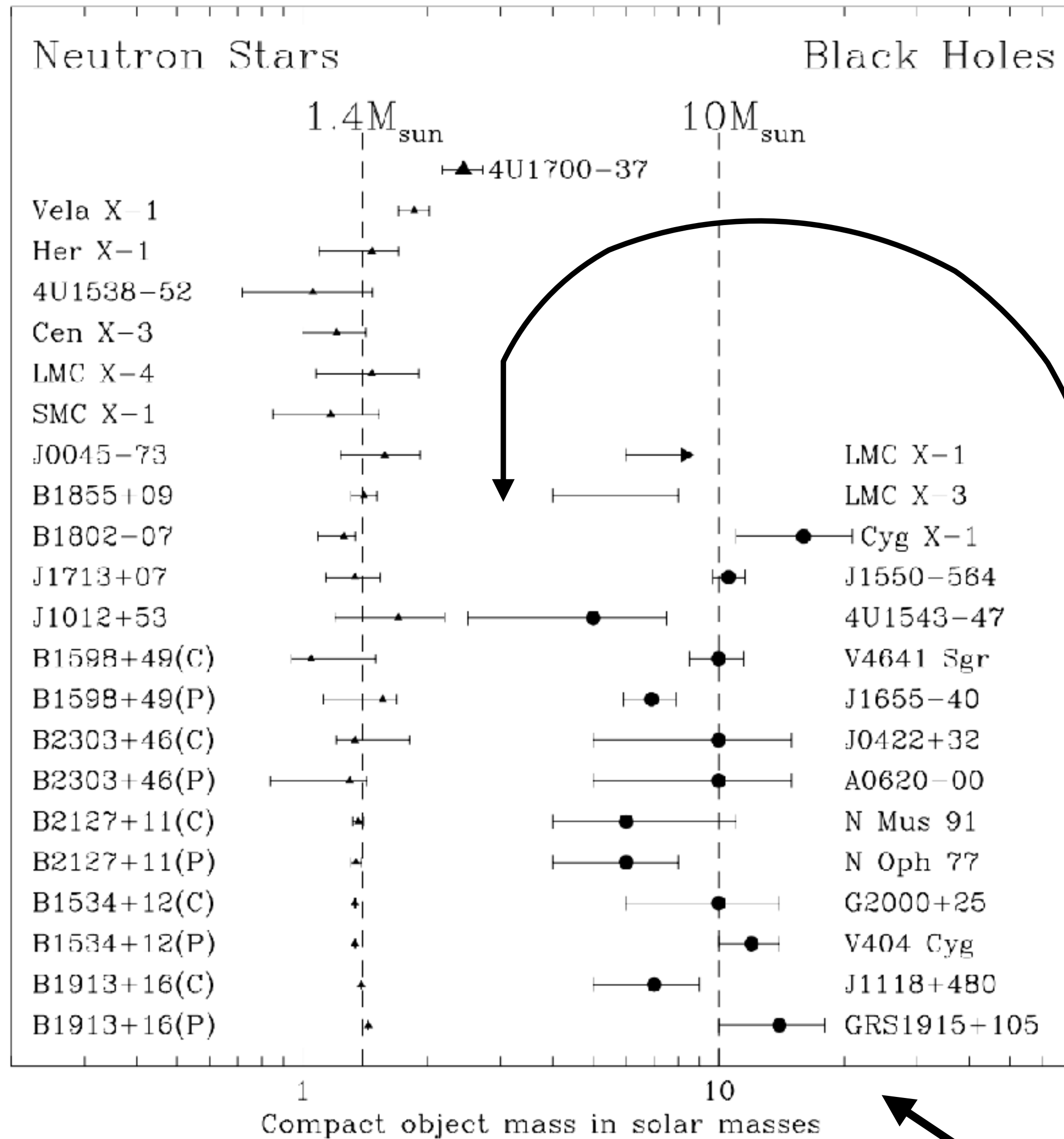


Fig. 13.18

Clark et al. 2002

Spring 2020: Week 08



