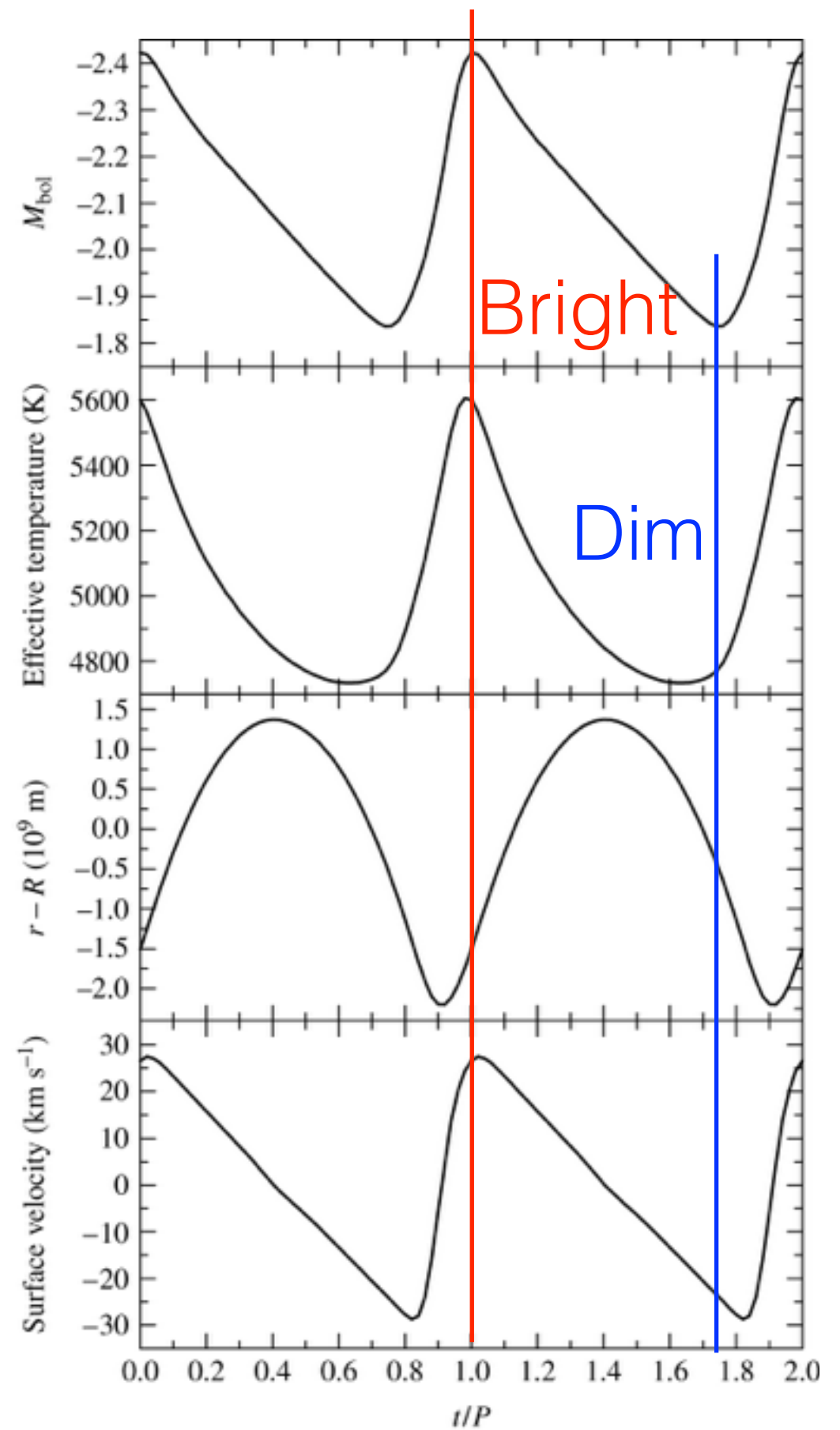
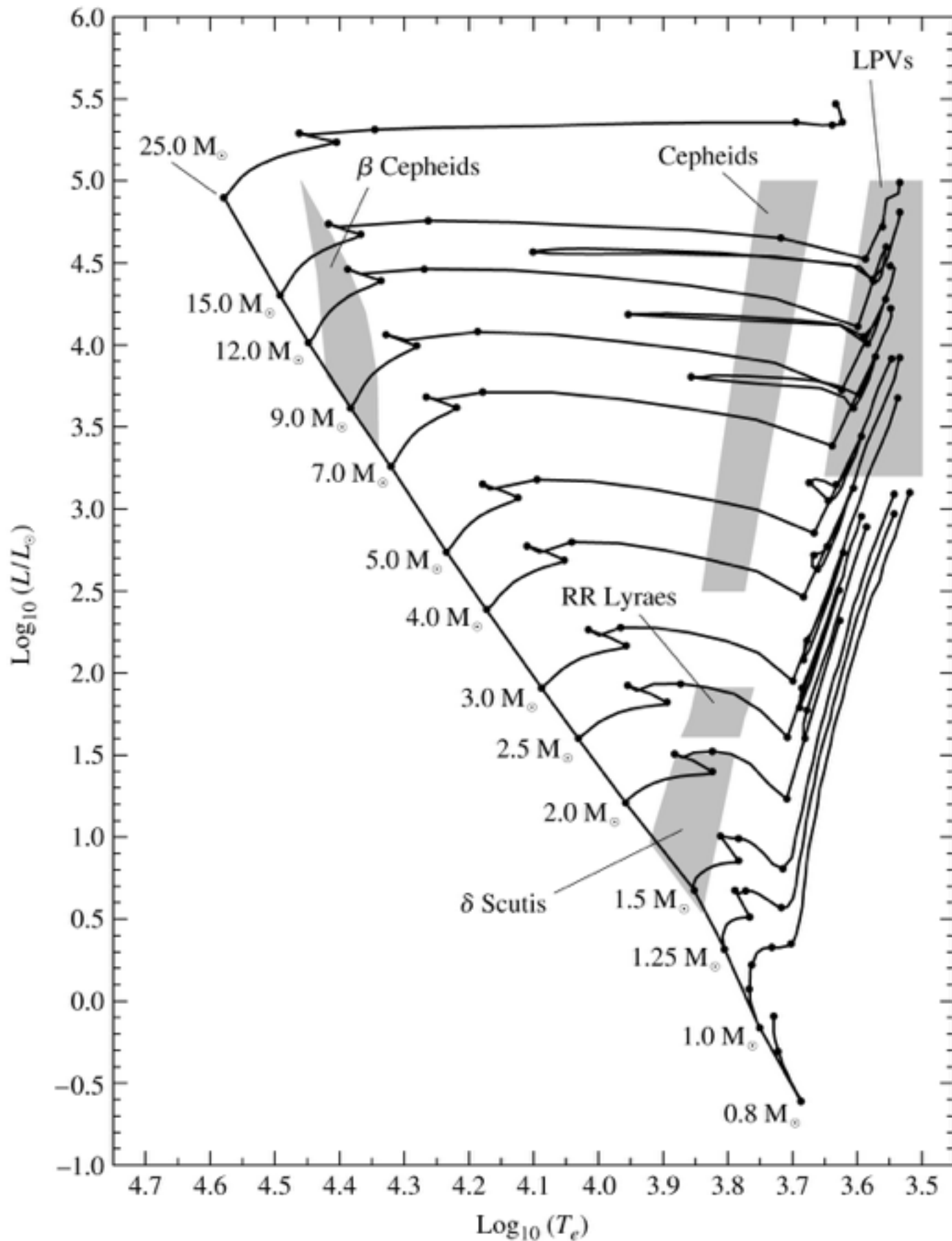
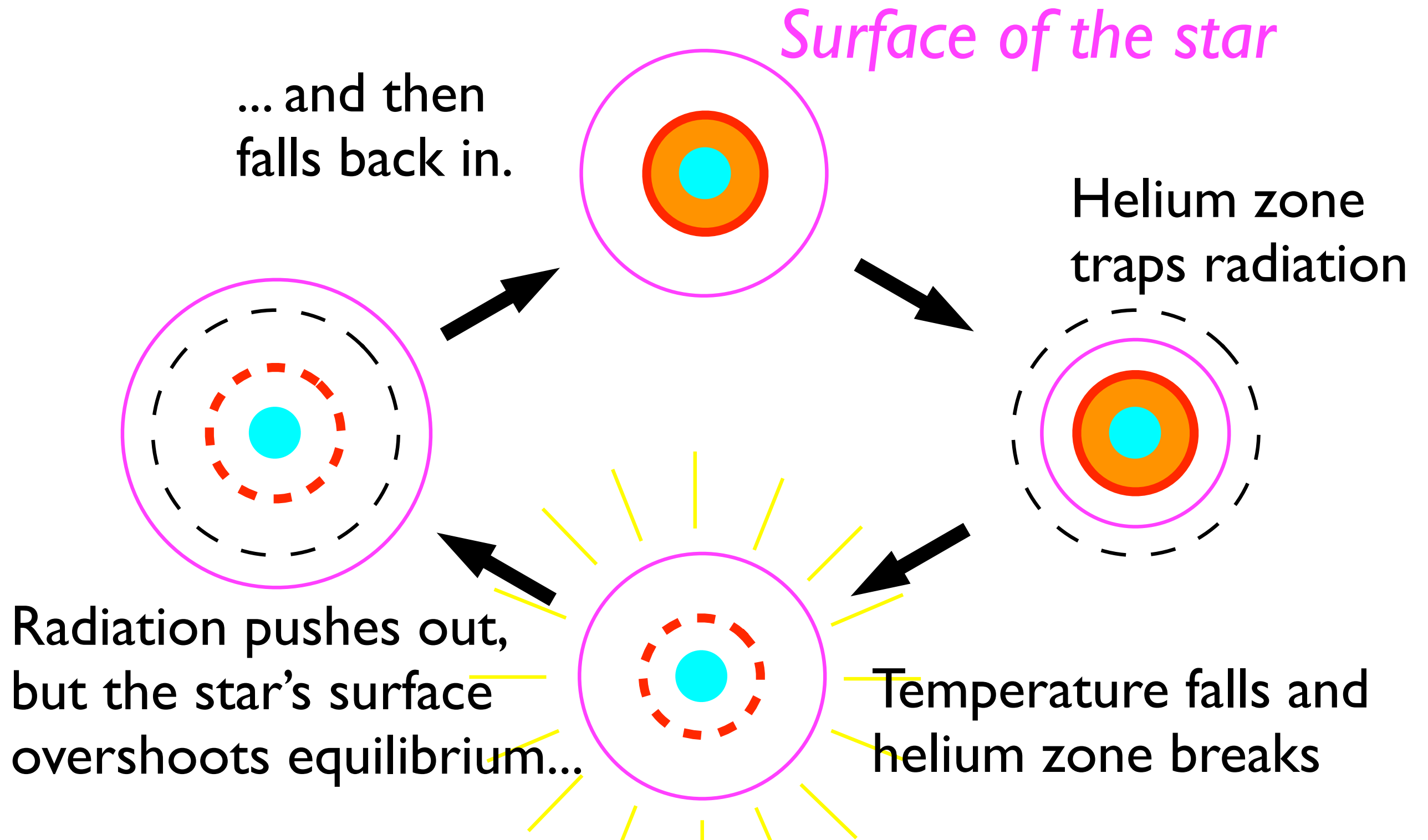


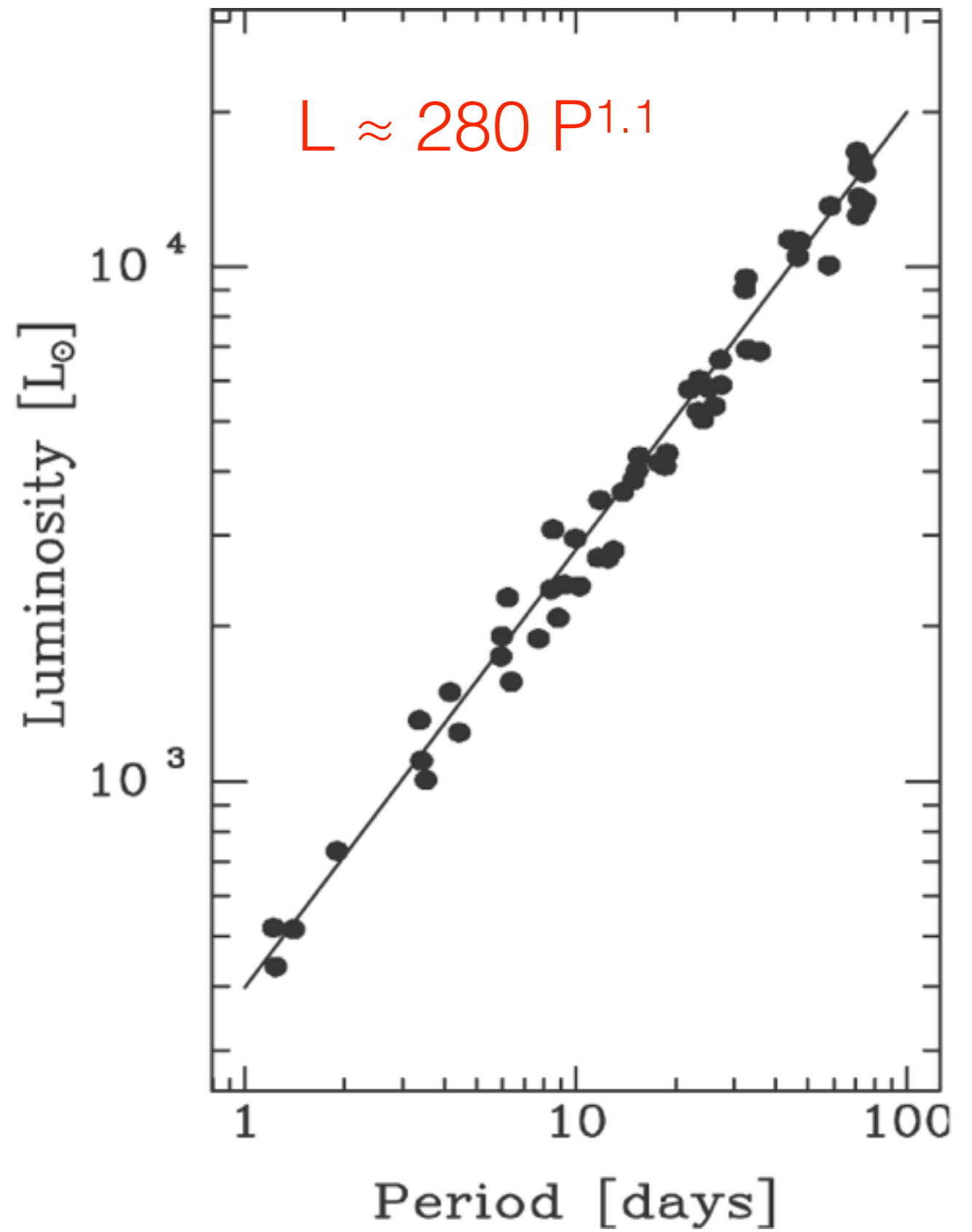
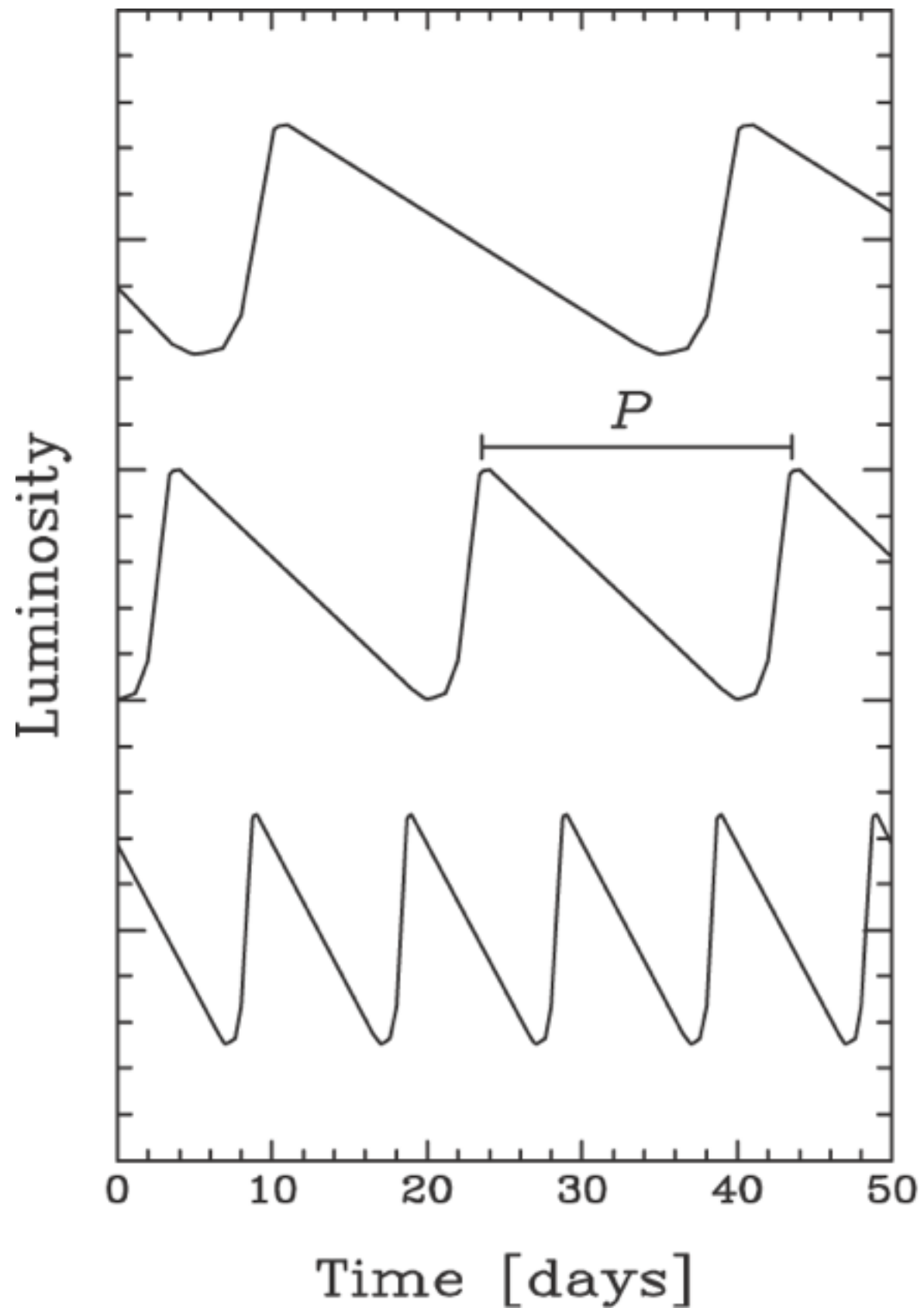
Carroll & Ostlie Figures 14.7 and 14.8



Cepheid Mechanism



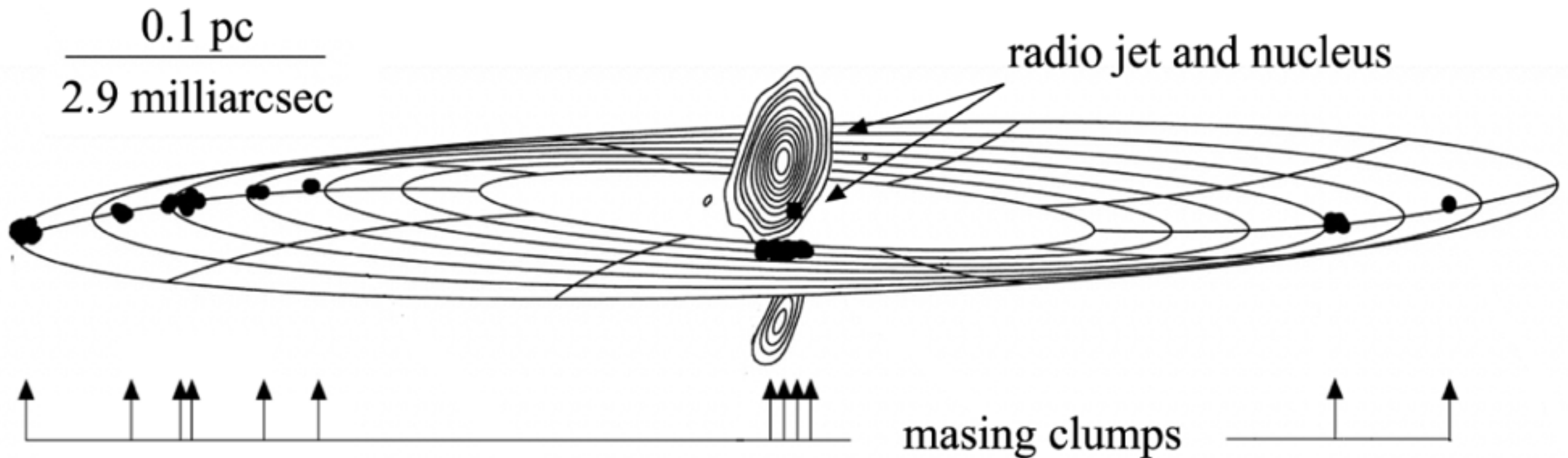
Maoz Figure 8.1



NGC 42580 (M 106):
Independent distance determination
using proper motion and Cepheids



Maoz Figure 8.3



Measure proper (angular) motion of the “clumps”

Speed from Doppler shift tells you how far they moved