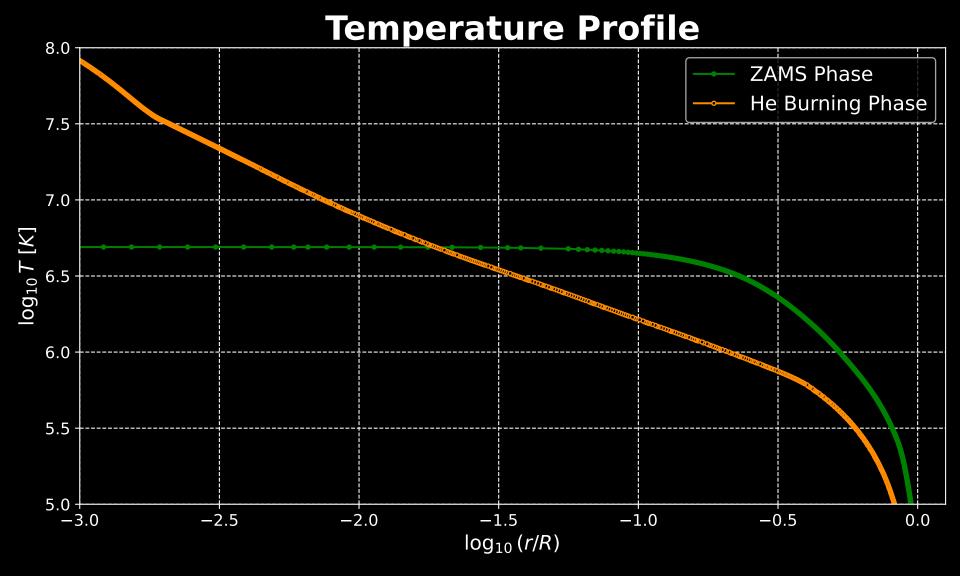
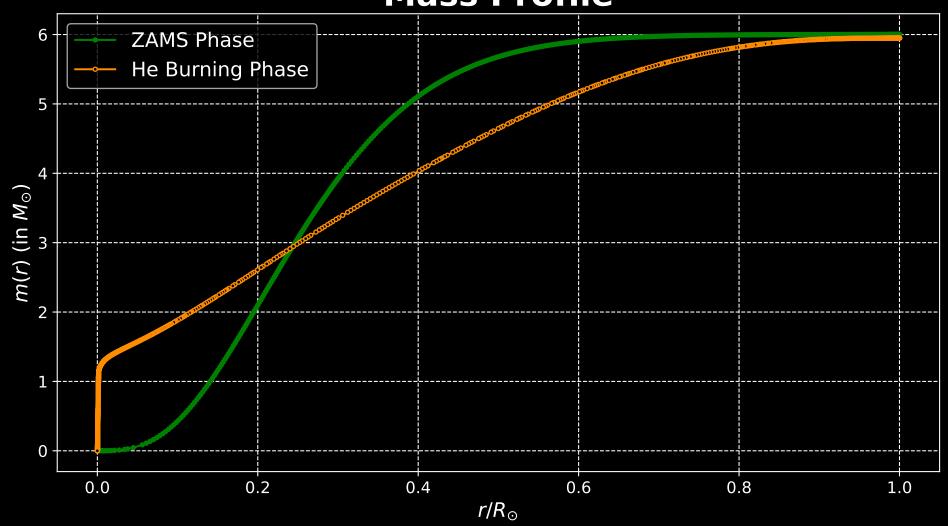
**Density Profile ZAMS Phase** He Burning Phase  $\log_{10} \rho \ [g \ cm^{-3}]$ -8 -2.0-3.0-2.5-1.5-1.0-0.50.0  $\log_{10}(r/R)$ 

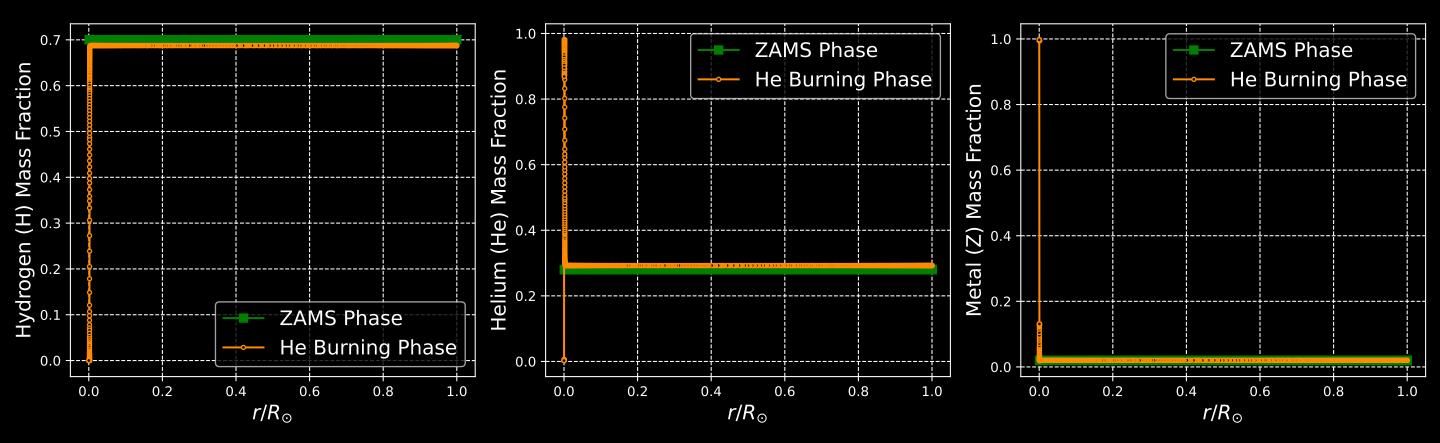


## **Mass Profile**

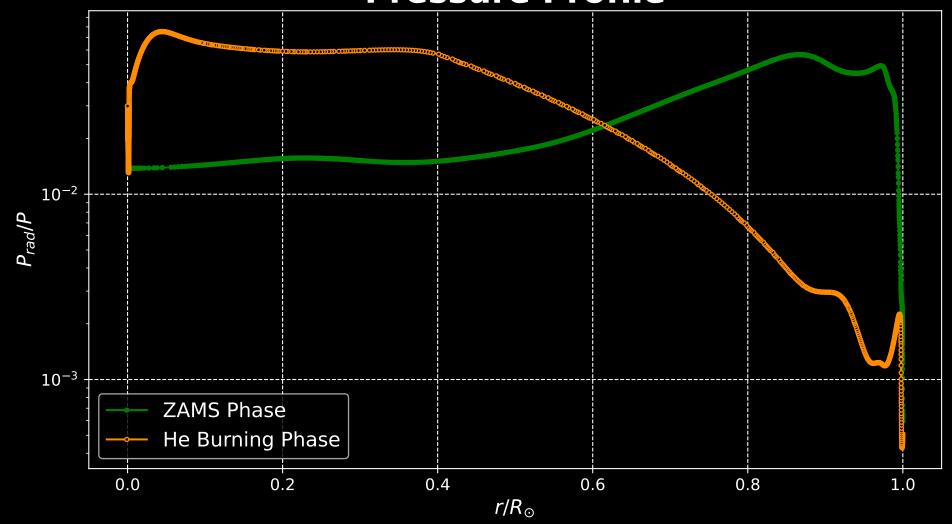


**Luminosity Profile**  $10^{3}$ 10<sup>2</sup>  $10^{1}$ (°7 ui) (10 Ti 10  $10^{-2}$  $10^{-3}$ ZAMS Phase  $10^{-4}$ He Burning Phase 0.0 0.2 0.4 0.6 8.0 1.0 r/R<sub>⊙</sub>

## Mass Fractions vs Normalized Radius



## **Pressure Profile**



 $\nabla_T - \nabla_{ad}$  Profile ZAMS Phase He Burning Phase  $10^{-1}$  $10^{-3}$  $10^{-7}$  $10^{-9}$ 0.0 0.2 0.4 0.6 0.8 1.0  $(r/R_{\odot})$