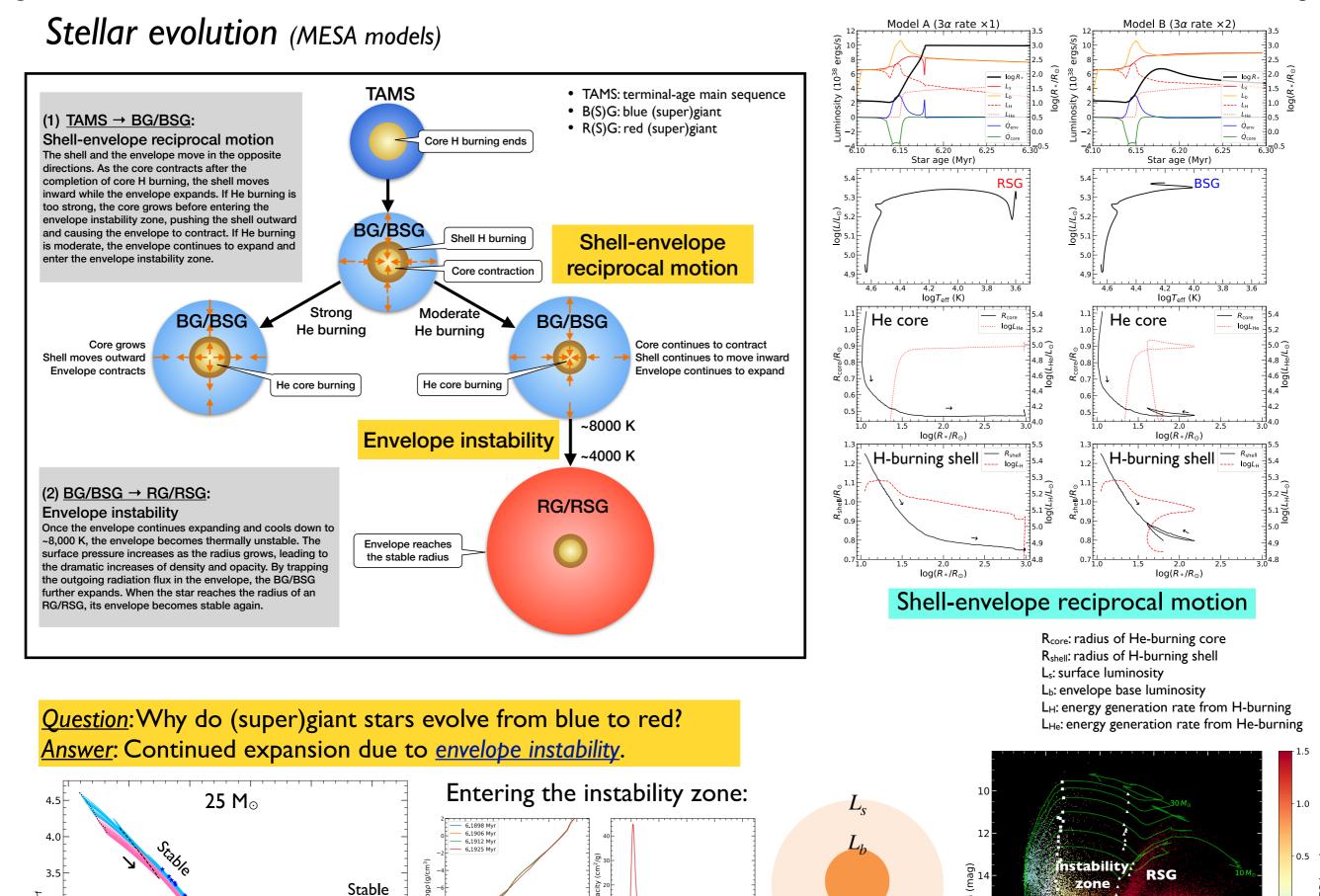
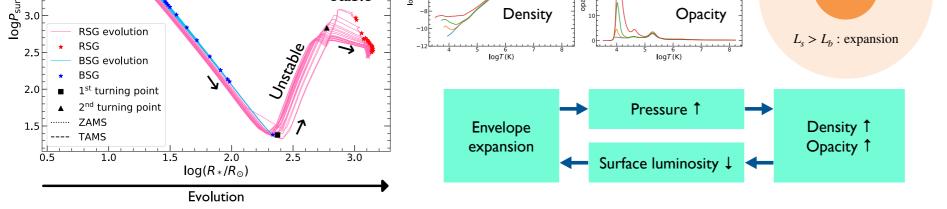


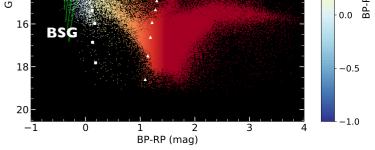
Why Do Stars Become Red Supergiants?

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Color-magnitude diagram of the LMC using Gaia DR2 data [White symbols: boundaries of the envelope instability zone for different stellar masses]

Steady-state solutions (simple models using the shooting method)

<u>Question</u>: Why is red (super)giant a common/steady phase in stellar evolution? <u>Answer</u>: Red (super)giant is a <u>steady-state solution</u>.

