

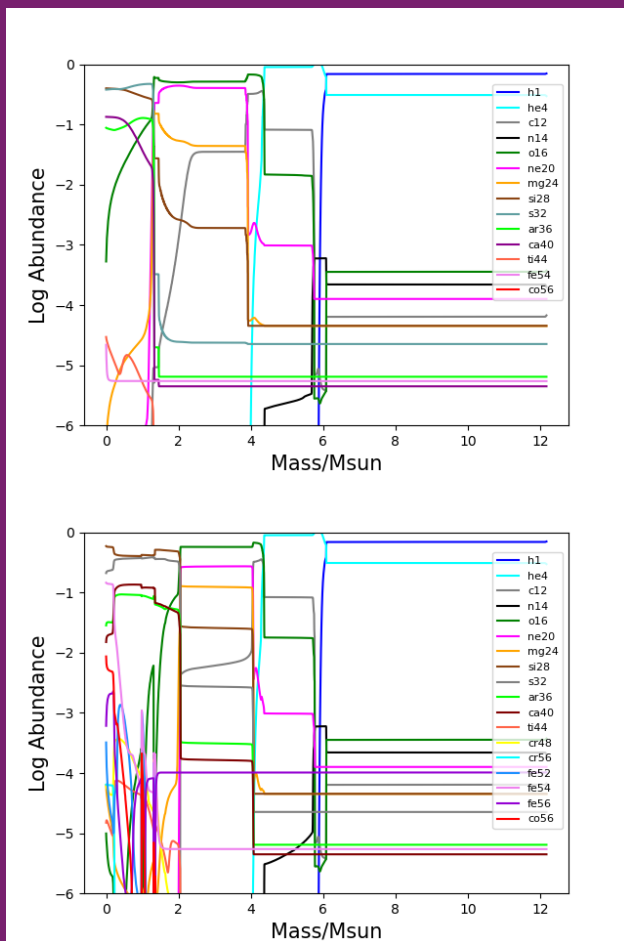


Investigating the Effects of Convective Boundary Mixing on Massive Stars at Low Metallicity

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- We are calculating a grid of 1D stellar models with initial-mass dependent values of convective boundary mixing.
- We use the exp-D convective boundary mixing mechanism.
- We find more frequent nuclear burning shell interactions in 2 categories:
 - Early Phase Interactions
 - Late Phase Interactions
- The figure shows the abundance profiles before (top) and after (bottom) of a late phase shell interaction between the C-, Ne- and O-shells.