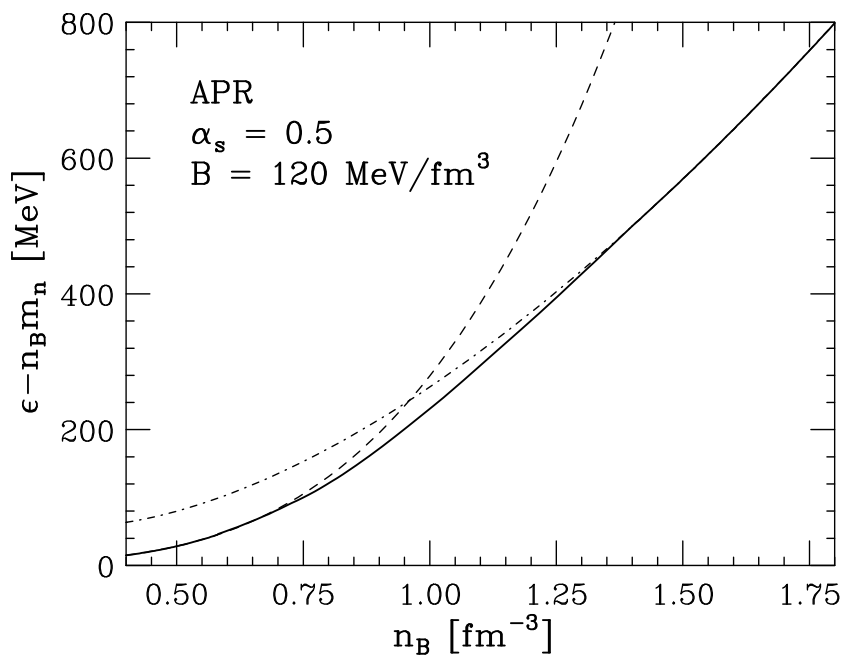
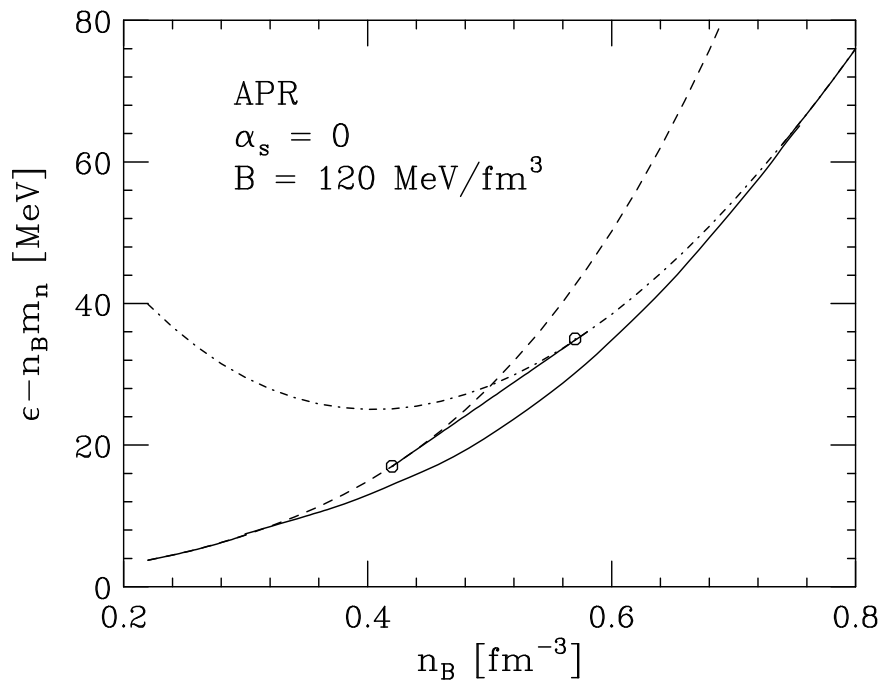
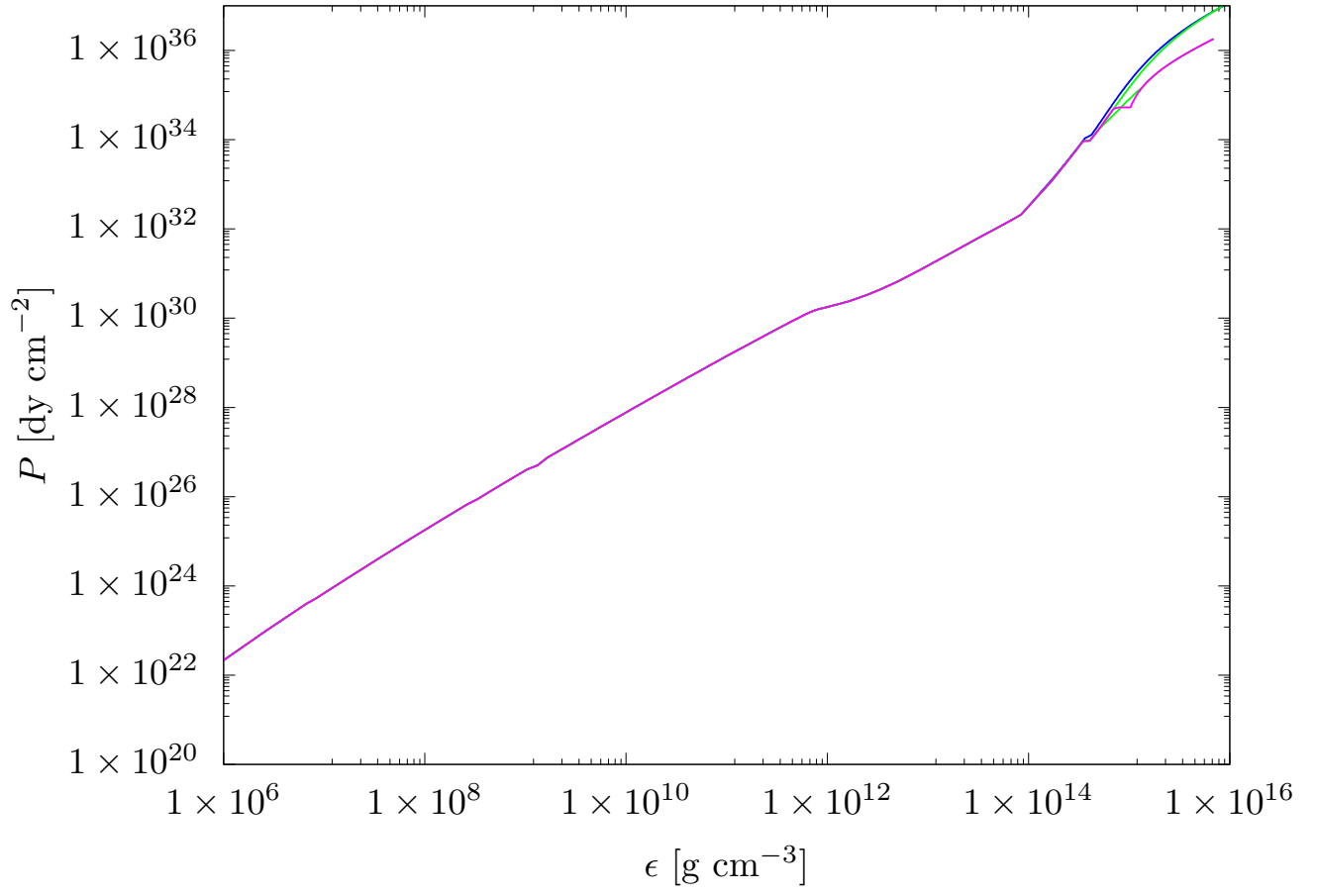


# Equation of State (EOS) of neutron star matter

## Matching Different Regions

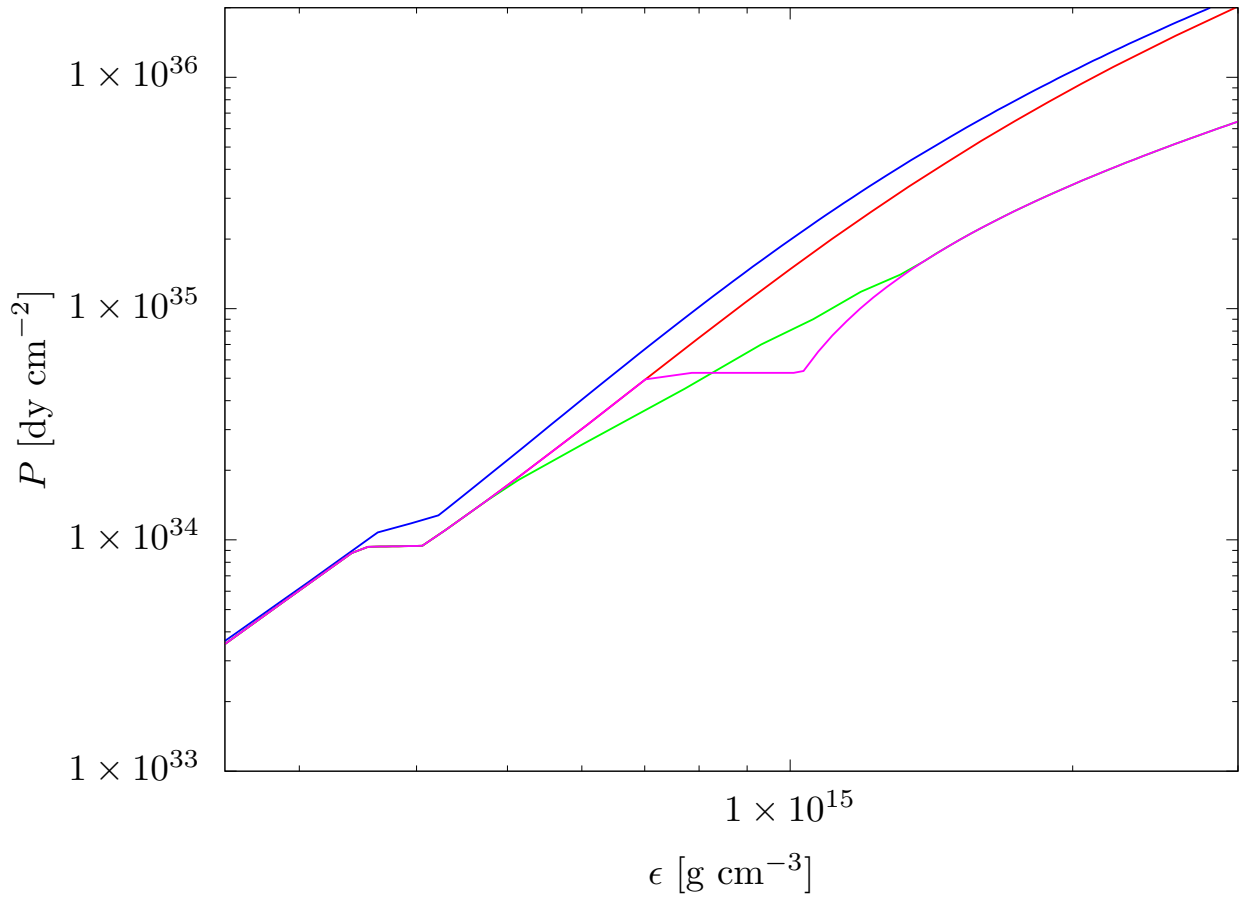


## Full EOS

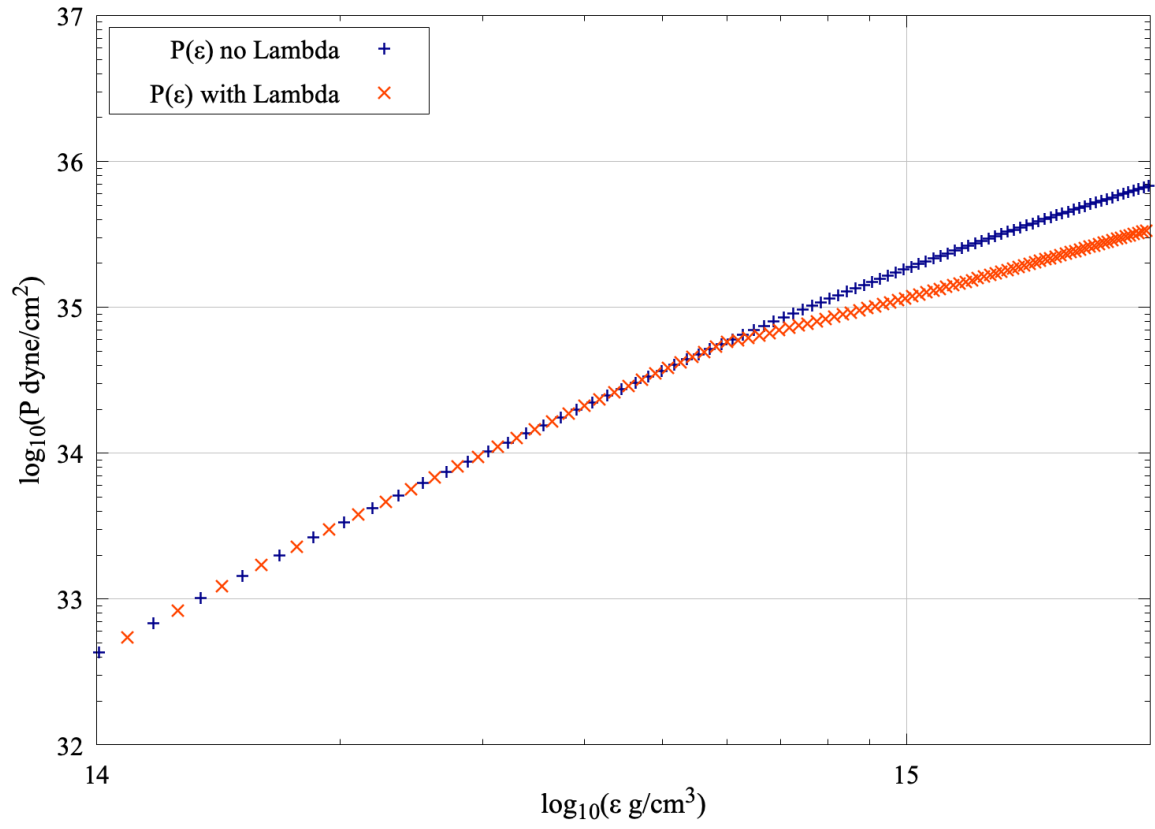


# Blow-up of the core region

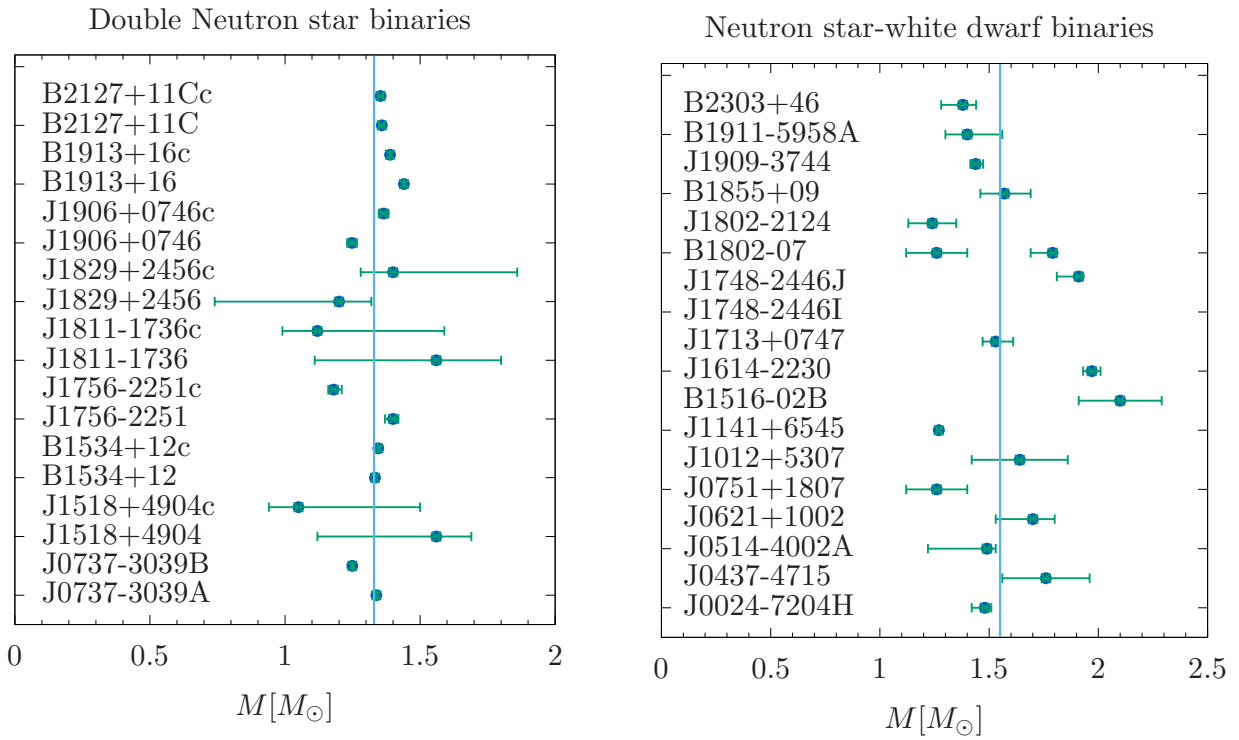
## Quark Core



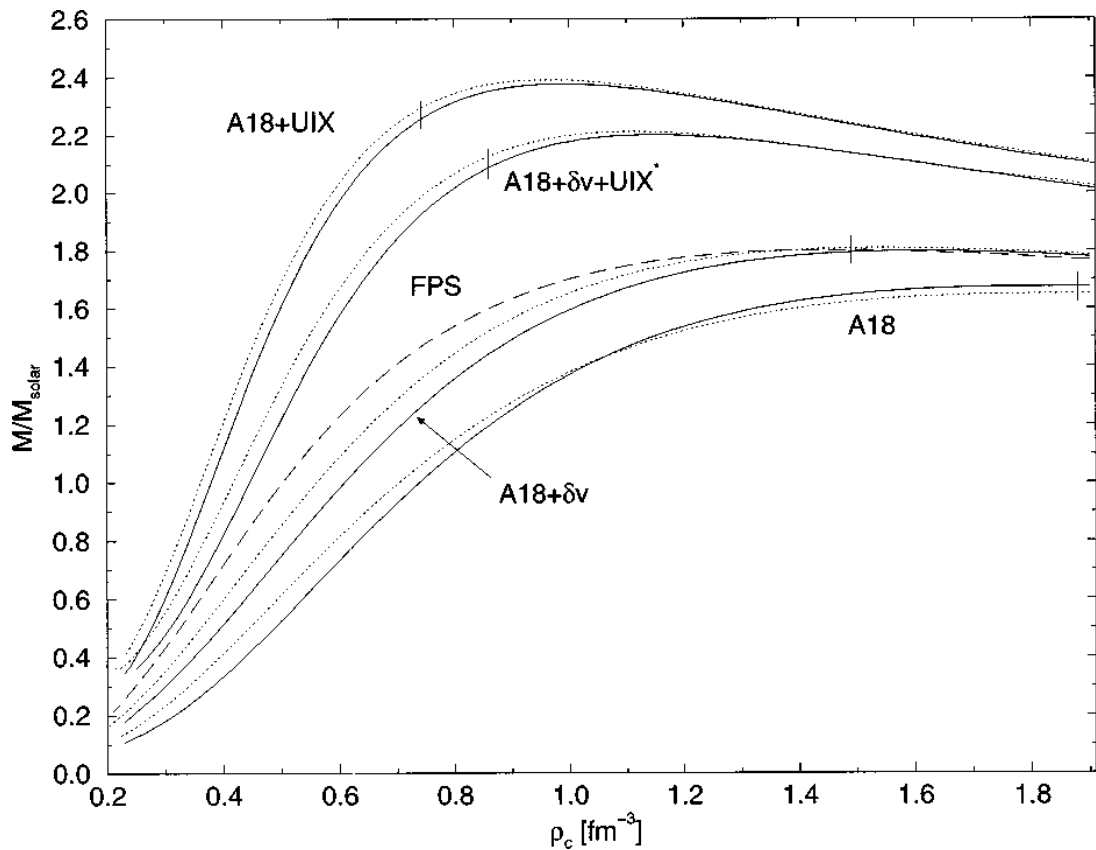
# Hyperon Core

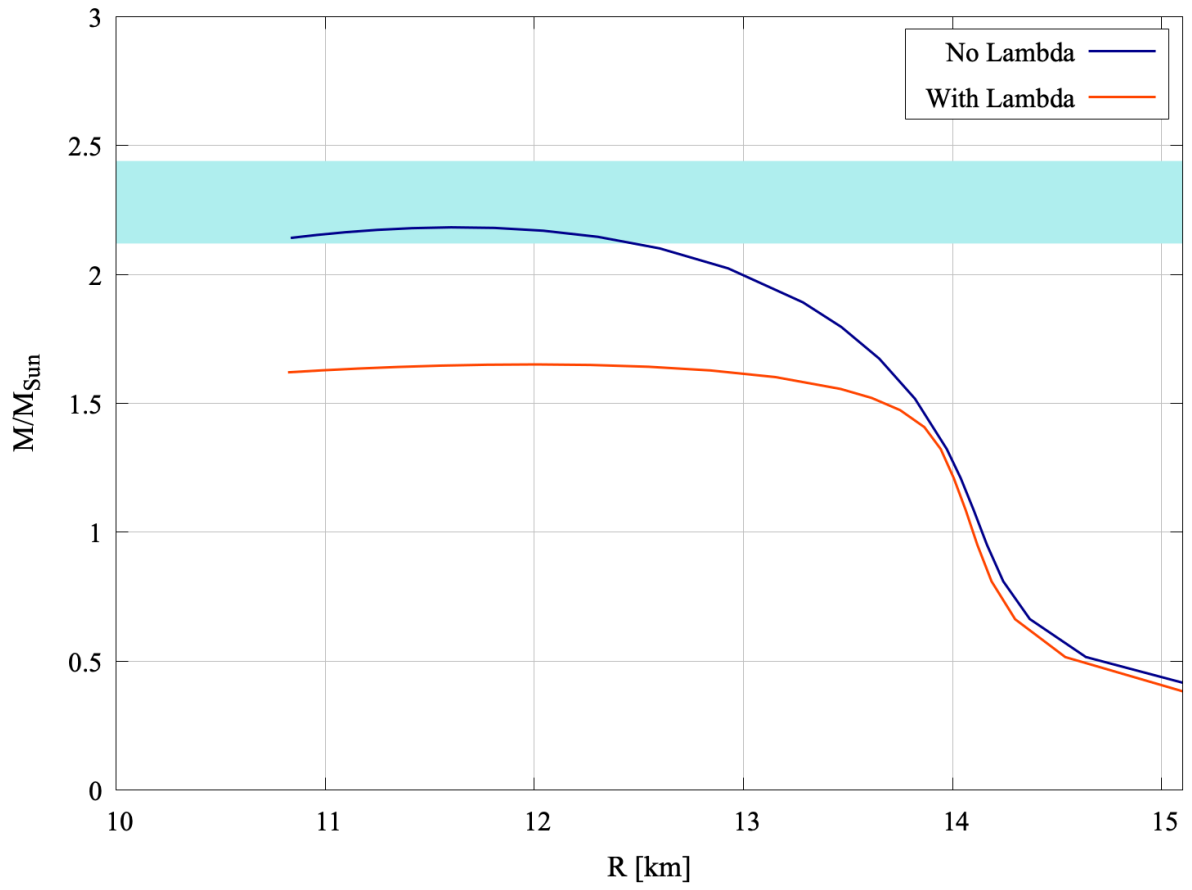


## Distribution of observed masses



## Maximum masses





# Gravitational Red Shift

