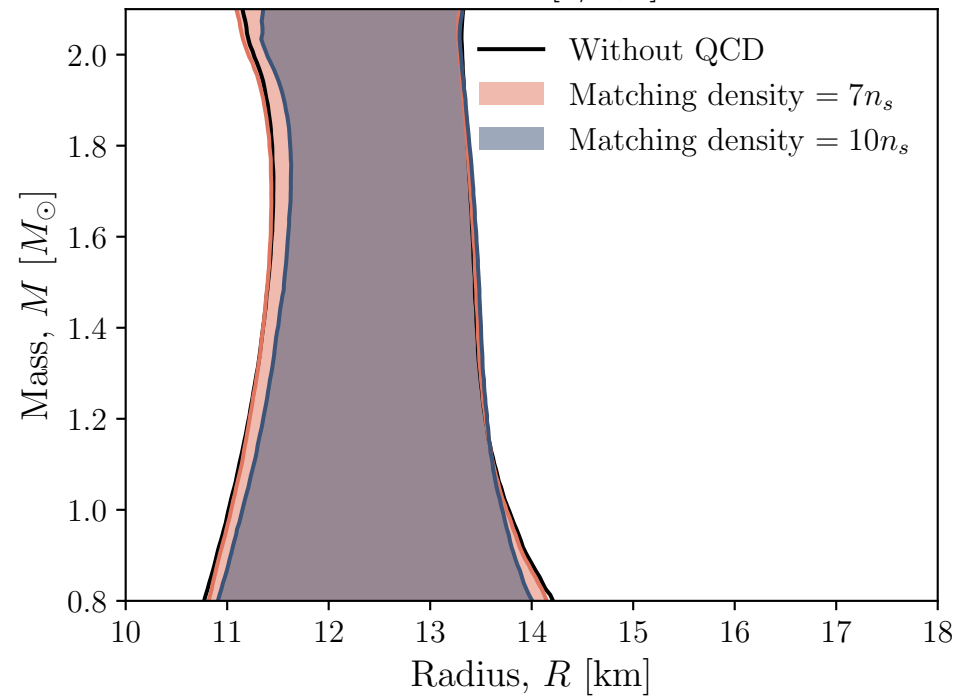


$\ln X \sim \text{U}[1/2, 2]$



Matching density =  $10n_s$

