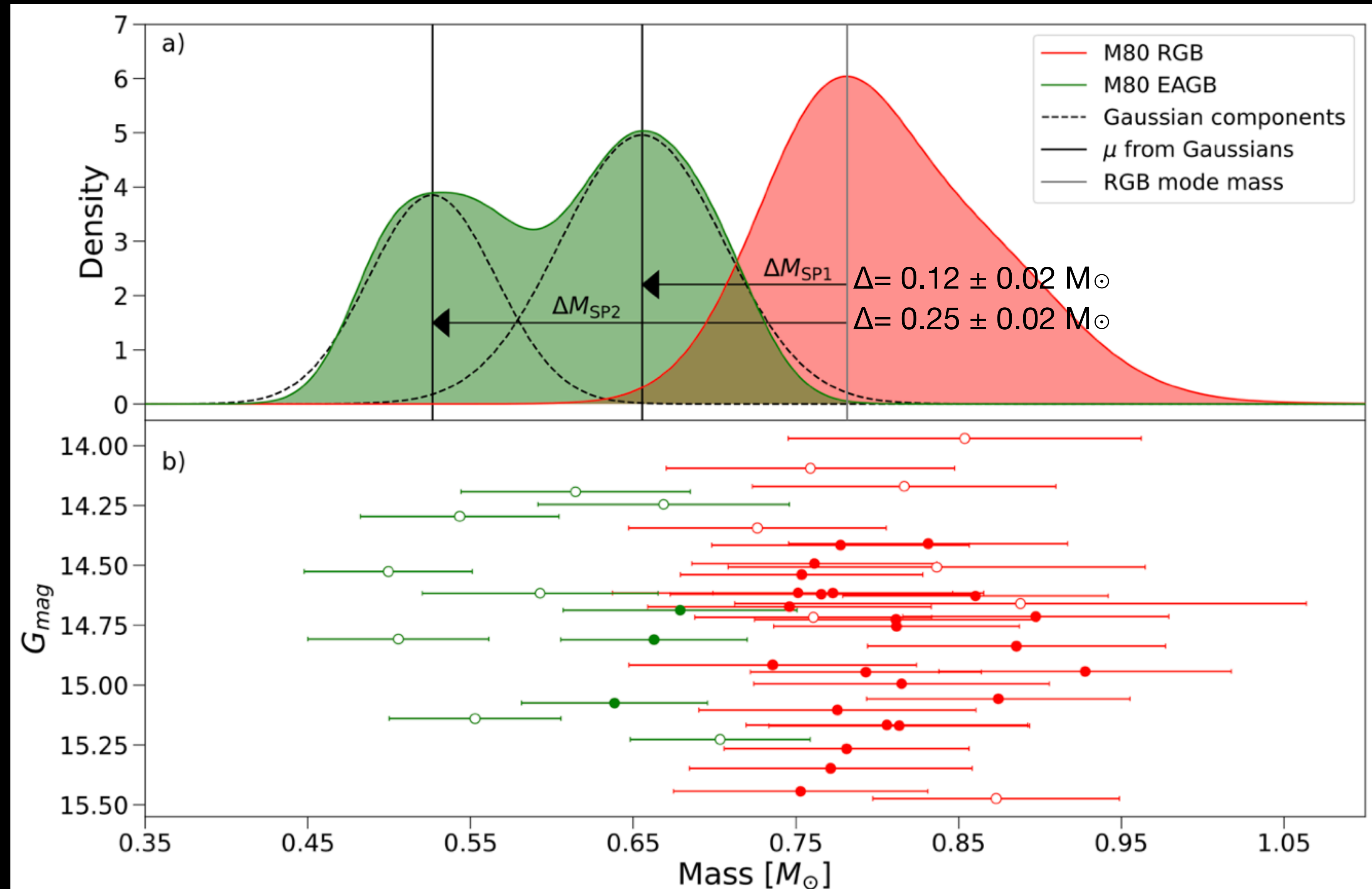


# Masses

- They use a Gaussian Kernel Density Estimation for RGB and E-AGB separately
- They found a bymodality  
If confirmed, it would be the first direct measurement of a mass difference between sub-populations



# Masses

- They suspect that the sub populations on RGB were within the errors and that is why we see only one component
- To test this they generate a sample of modeled stars with **MESA 1D stellar evolution code**
- To simulate the MPs they created 2 sub samples with different abundance of He ( $Y=0.25$  and  $Y=0.261$ )

