Mass transfer stability  $(\zeta_{eff}, q_{\text{crit},2}), \ \mathcal{R}_{0.2}$  $10^2$   $^{3}$ Possible location rise in GW - data(Farah et al. 2021) (3.5, 3.03), 0.9(4.5, 3.55), 4.8(5.5, 4.06), 19.9-1 $M_{\odot}^{-1}$  $10^{1}$ (6.0, 4.32), 31.7(6.5, 4.58), 48.9 $\frac{d\mathcal{R}}{dM_{\text{chirp}}} \left[ \text{Gpc}^{-3} \text{yr} \right]$ Format  $10^{0}$ 2.5 7.5 12.5 10.0 15.0 5.0 Chirp Mass,  $M_{\rm chirp}$  [M $_{\odot}$ ]