Percentage m_1 spinning ($\chi_1 > 0.25$; MRR)

100% 80% 60% 40% 20% 0%

astrophysical population

Fraction $\chi_i > 0.25$

Percentage m_2 spinning ($\chi_2 > 0.25$; non-MRR)

Percentage m_1 spinning ($\chi_1 > 0.25$; MRR)

100% 80% 60% 40% 20% 0%

detectable population

Galaudage et al. (2021)

Fraction $\chi_i > 0.25$

Percentage m_2 spinning ($\chi_2 > 0.25$; non-MRR)

★ model A: fiducial
● model B: $\beta = 0.25$
◀ model J: $\alpha_{\mathrm{CE}} = 10$
✕ model K: optimistic CE
✖ model R: SN $v_{\mathrm{k,BH}} = 0\,\mathrm{km\,s^{-1}}$
■ other models