a) intrinsic population

b) detectable population

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

Percentage M_1 spinning ($\chi_1 > 0.05$; MRR)

Fraction BBHs with one $\chi_{\mathrm{BH}} > 0.05$

Percentage M_2 spinning ($\chi_2 > 0.05$; non-MRR)

Galaudage et al. (2021)