A: fiducial B: $\beta = 0.25$

G: $\alpha_{\rm CE} = 0.1$

- C: $\beta = 0.5$
- I: $\alpha_{\rm CE}=2$

H: $\alpha_{\rm CE}=0.5$

- J: $\alpha_{\rm CE}=10$
- D: $\beta = 0.75$ K: optimistic CE
- E: unstable case BB L: rapid SN
- F: E + K $M: \max m_{NS} = 2.0 M_{\odot}$
 - N: max $m_{NS} = 3.0 \, \mathrm{M}_{\odot}$

- O: no PISN
- ${\rm P:\,SN}~\sigma_{\rm rms}^{\rm 1D} = 100\,{\rm km\,s^{-1}}$
- Q: SN $\sigma_{
 m rms}^{
 m 1D} = 30 \, {
 m km \, s^{-1}}$
- R: SN $v_{k,BH} = 0 \,\mathrm{km}\,\mathrm{s}^{-1}$
- $S: f_{WR} = 0.1$
- $T: f_{WR} = 5$

