

# EMCEE PT SUGGESTED SETTINGS

- ▶ Have found the following to work ok for getting posterior for GWs:
  - ▶ 1000 walkers
  - ▶ 4 temperatures
  - ▶ burn in test: nacl & max\_posterior
  - ▶ model: marginalized\_phase
- ▶ **CAUTION:**
  - ▶ Marginalized phase model will not work with waveforms with higher modes (i.e., IMRPhenomPv2: ok; IMRPhenomPHM: not ok). Need to use gaussian\_noise model
  - ▶ These are not enough temperatures to get a good evidence estimate. (see Steven Reyes talk tomorrow)

# ISSUES

- ▶ Default temperature ladder not optimal
  - ▶ See Steven Reyes talk tomorrow
- ▶ Can set temperature levels by hand using inverse-temperatures-file option in config file

