

GW AND COSMOLOGY

- Standard siren — *EM counterpart*
- “Dark” siren — *Galaxy catalog*
- Spectral siren — *NS or BH mass function*
- GW background — *cosmic inflation*

Other..

- NS EOS — if we know EOS and tidal fx, redshift obtainable!
- Density of BBH mergers from one region

Field formation

Different types
of stars and
interactions

Triples
& beyond

Common
envelope

Active
galactic
nuclei

Different
types of star
clusters

**Dynamical
Formation**

**Gaseous
environments**