PyCBC Inference Workshop 2020

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PyCBC Inference out in the field!

- Tests of the Area Theorem: Cabero et al. https://arxiv.org/abs/1711.09073
- GW170817
  - inclination constraints: Finstad et al., https://arxiv.org/abs/1804.04179
  - tidal deformability constraints. De et al. https://arxiv.org/abs/1804.08583
  - radius / nuclear theory constraints: Capano et al. https://arxiv.org/abs/1908.10352
- A possible multimessenger GW-GRB observation: https://arxiv.org/abs/1902.09496
- Impact of Peculiar Velocities for Standard Sirens https://arxiv.org/abs/1909.09609
- Detectability of Ringdown: Bhagwat et al. https://arxiv.org/abs/1910.13203
- 2-OGC catalog + Single detector Search
  - binary black hole posteriors for ~ 30 candidate BBH merger
  - https://arxiv.org/abs/1910.05331 and https://arxiv.org/abs/2004.10015
- Testing Parity Symmetry: Wang, et al. https://arxiv.org/abs/2002.05668
- Eccentricity of 170817 and 190425: Lenon, et al. https://arxiv.org/abs/2005.14146

Building a Community

- We are interested in getting feedback to help improve future workshops.
  - Email collecting feedback will be sent out shortly!

- PyCBC and PyCBC inference are community developed open-source projects. We welcome contributions, ideas, or even just bug-reporting.
  - Help us to improve PyCBC Inference for everyone!

- Discussion , development, and questions about using pycbc inference can be addressed in our slack. Free free to stop by!