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## Papers (short authorlist)

19. Avinash Tiwari, **Aditya Vijaykumar**, Shasvath J. Kapadia, Sourav Chatterjee, Giacomo Fragione

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- 18. Alexandra G. Hanselman, **Aditya Vijaykumar**, Maya Fishbach, Daniel E. Holz *Gravitational-wave dark siren cosmology systematics from galaxy weighting* Submitted to ApJ, arXiv:2405.14818.
- 17. Sreejith Nair, **Aditya Vijaykumar**, Sudipta Sarkar Bounds on the charge of the graviton using gravitational wave observations Submitted to Phys. Rev. Lett., arXiv:2405.05038.
- Aditya Vijaykumar, Alexandra G. Hanselman, Michael Zevin
   Consistent eccentricities for gravitational wave astronomy: Resolving discrepancies between
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   ApJ 969 132, arXiv:2402.07892.
- Mukesh Kumar Singh, Shasvath J. Kapadia Aditya Vijaykumar, Parameswaran Ajith Impact of higher harmonics of gravitational radiation on the population inference of binary black holes
   ApJ 971 23, arXiv:2312.07376.
- 14. Kruthi Krishna, **Aditya Vijaykumar**, Apratim Ganguly, et al Accelerated parameter estimation in Bilby with relative binning arXiv:2312.06009.
- 13. Aditya Vijaykumar, Maya Fishbach, Susmita Adhikari, Daniel E. Holz Inferring host galaxy properties of LIGO-Virgo-KAGRA's black holes Accepted to ApJ, arXiv:2312.03316.
- 12. Divyajyoti, N.V. Krishnendu, Muhammed Saleem, Marta Colleoni, **Aditya Vijaykumar**, K.G. Arun, Chandra Kant Mishra

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11. Avinash Tiwari, **Aditya Vijaykumar**, Shasvath J. Kapadia, Giacomo Fragione, Sourav Chatterjee

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10. **Aditya Vijaykumar**, Avinash Tiwari, Shasvath J. Kapadia, K.G. Arun, Parameswaran Ajith

 $Waltzing\ binaries:\ Probing\ line-of-sight\ acceleration\ of\ merging\ compact\ objects\ with\ gravitational\ waves$ 

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9. Adhrit Ravichandran, **Aditya Vijaykumar**, Shasvath J. Kapadia, Prayush Kumar Rapid Identification and Classification of Eccentric Gravitational Wave Inspirals with Machine Learning

Submitted to Physical Review D, arXiv:2302.00666.

8. Srashti Goyal, **Aditya Vijaykumar**, Jose Maria Ezquiaga, Miguel Zumalacarregui *Probing lens-induced gravitational-wave birefringence as a test of general relativity* Phys. Rev. D 108, 024052, arXiv:2301.04826.

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7. Bikram Keshari Pradhan, Aditya Vijaykumar, Debarati Chatterjee

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6. Aditya Vijaykumar, Shasvath J. Kapadia, Parameswaran Ajith

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2. Aditya Vijaykumar, M. V. S. Saketh, Sumit Kumar, Parameswaran Ajith, Tirthankar Roy Choudhury

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4. Abbott et al. (LIGO Scientific and Virgo Collaborations)

Tests of General Relativity with GWTC-3,

Accepted to Physical Review D, arXiv:2112.06861.

3. Abbott et al. (LIGO Scientific and Virgo Collaborations)

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