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PAPERS
(SHORT
AUTHORLIST)

16. **Aditya Vijaykumar**, Alexandra G. Hanselman, Michael Zevin
Consistent eccentricities for gravitational wave astronomy: Resolving discrepancies between astrophysical simulations and waveform models
To be submitted to Open Journal of Astrophysics, [arXiv:2402.07892](#).
15. 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
Submitted to ApJ, [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
Submitted to ApJL, [arXiv:2312.03316](#).
12. Divyajyoti, N.V. Krishnendu, Muhammed Saleem, Marta Colleoni, **Aditya Vijaykumar**, K.G. Arun, Chandra Kant Mishra
Effect of double spin-precession and higher harmonics on spin-induced quadrupole moment measurements
Accepted to Phys. Rev. D, [arXiv:2311.05506](#).
11. Avinash Tiwari, **Aditya Vijaykumar**, Shasvath J. Kapadia, Giacomo Fragione, Sourav Chatterjee
Accelerated binary black holes in globular clusters: forecasts and detectability in the era of space-based gravitational-wave detectors
[MNRAS, 527, 8586](#), [arXiv:2307.00930](#).
10. **Aditya Vijaykumar**, Avinash Tiwari, Shasvath J. Kapadia, K.G. Arun, Parameswaran Ajith
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9. Adhrit Ravichandran, **Aditya Vijaykumar**, Shasvath J. Kapadia, Prayush Kumar
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Submitted to *Physical Review D*, [arXiv:2302.00666](#).
8. Srashti Goyal, **Aditya Vijaykumar**, Jose Maria Ezquiaga, Miguel Zumalacarregui
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[Phys. Rev. D 108, 024052](#), [arXiv:2301.04826](#).
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7. Bikram Keshari Pradhan, **Aditya Vijaykumar**, Debarati Chatterjee
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[Phys. Rev. D 107, 023010](#), [arXiv:2210.09425](#).

6. **Aditya Vijaykumar**, Shasvath J. Kapadia, Parameswaran Ajith
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5. **Aditya Vijaykumar**, Ajit Kumar Mehta, Apratim Ganguly
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Accepted to *Physical Review D*, [arXiv:2202.06334](#).
4. Sumit Kumar, **Aditya Vijaykumar**, Alexander H. Nitz
Detecting Baryon Acoustic Oscillations with third generation gravitational wave observatories,
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3. M. Saleem et al. (including **Aditya Vijaykumar**)
The Science Case for LIGO-India
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2. **Aditya Vijaykumar**, M. V. S. Saketh, Sumit Kumar, Parameswaran Ajith, Tirthankar Roy Choudhury
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AUTHORLIST,
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CONTRIBUTION)

4. Abbott et al. (LIGO Scientific and Virgo Collaborations)
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Accepted to *Physical Review D*, [arXiv:2112.06861](#).
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2. Abbott et al. (LIGO Scientific and Virgo Collaborations)
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Phys. Rev. X 11 (2021) 021053, [arXiv:2010.14527](#).
1. P. Virtanen et al. (including **Aditya Vijaykumar** as SciPy 1.0 Contributor)
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Nat Methods 17, 261–272 (2020), [arXiv:1907.10121](#).