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PAPERS (SHORT
AUTHORLIST)

25. Hui Tong et al. (including **Aditya Vijaykumar**)
Evidence of the pair instability gap in the distribution of black hole masses
Submitted to Nature, [arXiv:2509.04151](#).
24. Colm Talbot et al. (including **Aditya Vijaykumar**)
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Submitted to CQG, [arXiv:2508.11091](#).
23. Avinash Tiwari, Prolay Chanda, Shasvath J. Kapadia, Susmita Adhikari, **Aditya Vijaykumar**, Basudeb Dasgupta
Profiling Dark Matter Spikes with Gravitational Waves from Accelerated Binaries
Submitted to PRL, [arXiv:2508.03803](#).
22. Andris Doroszmai, Isobel M. Romero-Shaw, **Aditya Vijaykumar**, Silvia Toonen, et al.
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Submitted to MNRAS, [arXiv:2507.23212](#).
21. Avinash Tiwari, **Aditya Vijaykumar**, Shasvath J. Kapadia, Shrobana Ghosh, Alex B. Nielsen
A pipeline to search for signatures of line-of-sight acceleration in gravitational wave signals produced by compact binary coalescences
Submitted to PRD, [arXiv:2506.22272](#).
20. Kanchan Soni, **Aditya Vijaykumar**, Sanjit Mitra
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Submitted to CQG, [arXiv:2409.11361](#).
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
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17. Sreejith Nair, **Aditya Vijaykumar**, Sudipta Sarkar
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16. **Aditya Vijaykumar**, Alexandra G. Hanselman, Michael Zevin
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15. Mukesh Kumar Singh, Shasvath J. Kapadia **Aditya Vijaykumar**, Parameswaran Ajith
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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
ApJ 972 157, [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
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11. Avinash Tiwari, **Aditya Vijaykumar**, Shasvath J. Kapadia, Giacomo Fragione, Sourav Chatterjee
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Submitted to PRD, arXiv:2302.00666.
8. Srashti Goyal, **Aditya Vijaykumar**, Jose Maria Ezquiaga, Miguel Zumalacarregui
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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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5. **Aditya Vijaykumar**, Ajit Kumar Mehta, Apratim Ganguly
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4. Sumit Kumar, **Aditya Vijaykumar**, Alexander H. Nitz
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3. M. Saleem et al. (including **Aditya Vijaykumar**)
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2. **Aditya Vijaykumar**, M. V. S. Saketh, Sumit Kumar, Parameswaran Ajith, Tirthankar Roy Choudhury
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8. Abac et al. (LIGO Scientific, Virgo, and KAGRA Collaborations)
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7. Abac et al. (LIGO Scientific, Virgo, and KAGRA Collaborations) [Paper Writing Team Lead]
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[arXiv:2508.18083](#).
6. Abac et al. (LIGO Scientific, Virgo, and KAGRA Collaborations)
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