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Positions

Assistant Professor <i>Department of Physics, Vivekananda Satavarshiki Mahavidyalaya</i> Manikpara, West Bengal, 721513, India	November 2023 – Present
Postdoctoral Fellow <i>Department of Physics and Astronomy, Seoul National University</i> 1 Gwanak-ro, Gwanak-gu, Seoul 08826, Korea <i>Advisor: Hyung Mok Lee</i>	July 2022 – November 2023
Postdoctoral Fellow <i>Astrophysical Relativity, International Centre for Theoretical Sciences</i> Hesaraghatta Hobli, Karnataka, 560089, India <i>Advisor: Parameswaran Ajith</i>	July 2019 – June 2022

Education

Doctor of Philosophy (PhD) <i>Harish-Chandra Research Institute</i> Chhatnag Road, Jhunsi, Prayagraj, 211019, Uttar Pradesh, India Cosmology & High Energy Astrophysics <i>Advisor: Tapas Kumar Das (tapas@hri.res.in)</i>	July 2014 – June 2019
Master of Science (MSc) <i>Harish-Chandra Research Institute</i> Chhatnag Road, Jhunsi, Prayagraj, 211019, Uttar Pradesh, India Cosmology & High Energy Astrophysics <i>Advisor: Tapas Kumar Das (tapas@hri.res.in)</i>	July 2012 – June 2014
Bachelor of Science (BSc) <i>Jadavpur University</i> 188, Raja S.C. Mallick Rd, Kolkata 700032, India Faculty of Physics	July 2009 – June 2012

Awards, Fellowships & Memberships

- Core member, [LISA Consortium](#), 2025–
- Offer for National Postdoctoral Fellowship (NPDF), [Science and Engineering Research Board \(SERB\)](#), Government of India., 2024
- Membership, [Korean Astronomical Society](#), 2023–
- Membership, [Simulating eXtreme Spacetime \(SXS\)](#), 2021–
- Membership, [LIGO Scientific Collaboration](#), 2020–
- Senior Research Fellowship, Department of Atomic Energy, Government of India, 2014–2018
- Junior Research Fellowship, Department of Atomic Energy, Government of India, 2012–2014
- Offer for Phd in Physics starting from 2014, IUCAA, pune, 2012
- Offer for Integrated Phd in Physics, NCRA-TIFR, Pune, 2012

- *Offer for Integrated Phd in Physics*, IISc, Bangalore, 2012
- *Offer for MSc in Physics*, IIT Bombay, 2012
- *AIR 41 in Joint Entrance Screening Test (JEST)*, JEST, 2012
- *AIR 43 in Joint Admission Test for M.Sc (JAM)*, IIT Bombay, 2012
- *INSPIRE Fellowship*, Department of Science and Technology, Government of India, 2009–2012
- *Ranked within top 20 in higher secondary examination*, West Bengal Council of Higher Secondary Education, 2009
- *First rank in secondary examination*, West Bengal Board of Secondary Education, 2007

Publications

Total publications: 54 (Short author publications: 19, SXS Collaboration: 1, LVK Collaboration: 34)

Short author publications

19. Nee, P. J., Ravichandran, A., Field, S. E., Islam, T., Pfeiffer, H. P., Varma, V., Boyle, M., Ceja, A., Ghadiri, N., Kidder, L. E., Kumar, P., Maurya, A., Morales, M., Ramos-Buades, A., Ravishankar, A., Rink, K., Rüter, H. R., Scheel, M. A., Shaikh, M. A., Tellez, D. “Eccentric binary black holes: A new framework for numerical relativity waveform surrogates.”, 2025, [arXiv:2510.00106](https://arxiv.org/abs/2510.00106)
18. Tiwari, A., Bhat, S. A., Shaikh, M. A., Kapadia, S. J. “Testing the nature of GW200105 by probing the frequency evolution of eccentricity.” *Astrophys. J.*, **995**, 1, 2025, [arXiv:2509.26152](https://arxiv.org/abs/2509.26152)
17. Bhat, S. A., Tiwari, A., Shaikh, M. A., Kapadia, S. J. “Eccentricity evolution consistency test to distinguish eccentric gravitational-wave signals from eccentricity mimickers.” *Phys. Rev. D*, **112**, 12, 2025, [arXiv:2508.14850](https://arxiv.org/abs/2508.14850)
16. Shaikh, M. A., Varma, V., Ramos-Buades, A., Pfeiffer, H. P., Boyle, M., Kidder, L. E., Scheel, M. A. “Defining eccentricity for spin-precessing binaries.” *Class. Quant. Grav.*, **42**, 2025, [arXiv:2507.08345](https://arxiv.org/abs/2507.08345)
15. Chartier, N., Shaikh, M. A., Lee, H. M., Kim, J. “Comparison between best-fit eccentricity definitions and the standardized definition of eccentricity.” *Phys. Rev. D*, **112**, 2, 2025, [arXiv:2503.19538](https://arxiv.org/abs/2503.19538)
14. Deka, U., Prabhu, G., Shaikh, M. A., Kapadia, S. J., Varma, V., Field, S. E. “Surrogate modeling of gravitational waves microlensed by spherically symmetric potentials.” *Phys. Rev. D*, **111**, 10, 2025, [arXiv:2501.02974](https://arxiv.org/abs/2501.02974)
13. Deka, U., Chakraborty, S., Kapadia, S. J., Shaikh, M. A., Ajith, P. “Probing the charge of compact objects with gravitational microlensing of gravitational waves.” *Phys. Rev. D*, **111**, 6, 2025, [arXiv:2401.06553](https://arxiv.org/abs/2401.06553)
12. Shaikh, M. A., Bhat, S. A., Kapadia, S. J. “A study of the inspiral-merger-ringdown consistency test with gravitational-wave signals from compact binaries in eccentric orbits.” *Phys. Rev. D*, **110**, 2, 2024, [arXiv:2402.15110](https://arxiv.org/abs/2402.15110)
11. Shaikh, M. A., Varma, V., Pfeiffer, H. P., Ramos-Buades, A., van de Meent, M. “Defining eccentricity for gravitational wave astronomy.” *Phys. Rev. D*, **108**, 10, 2023, [arXiv:2302.11257](https://arxiv.org/abs/2302.11257)
10. Singh, M. K., Divyajyoti, D., Kapadia, S. J., Shaikh, M. A., Ajith, P. “Improved early-warning estimates of luminosity distance and orbital inclination of compact binary mergers using higher modes of gravitational radiation.” *Mon. Not. Roy. Astron. Soc.*, **513**, 3, 2022, [arXiv:2202.05802](https://arxiv.org/abs/2202.05802)
9. Maity, S., Shaikh, M. A., Tarafdar, P., Das, T. K. “Carter-Penrose diagrams for emergent space-time in axisymmetrically accreting black hole systems.” *Phys. Rev. D*, **106**, 4, 2022, [arXiv:2106.07598](https://arxiv.org/abs/2106.07598)

8. Wei, W., Huerta, E. A., Yun, M., Loutrel, N., Shaikh, M. A., Kumar, P., Haas, R., Kindratenko, V. "Deep Learning with Quantized Neural Networks for Gravitational-wave Forecasting of Eccentric Compact Binary Coalescence." *Astrophys. J.*, **919**, 2, 2021, [arXiv:2012.03963](#)
7. Singh, M. K., Kapadia, S. J., Shaikh, M. A., Chatterjee, D., Ajith, P. "Improved early warning of compact binary mergers using higher modes of gravitational radiation: A population study." *Mon. Not. Roy. Astron. Soc.*, **502**, 2, 2021, [arXiv:2010.12407](#)
6. Kapadia, S. J., Singh, M. K., Shaikh, M. A., Chatterjee, D., Ajith, P. "Of Harbingers and Higher Modes: Improved gravitational-wave early-warning of compact binary mergers." *Astrophys. J. Lett.*, **898**, 2, 2020, [arXiv:2005.08830](#)
5. Shaikh, M. A., Maity, S., Nag, S., Das, T. K. "Effective sound speed in relativistic accretion discs around Schwarzschild black holes." *New Astron.*, **69**, 2019, [arXiv:1806.04084](#)
4. Shaikh, M. A., Das, T. K. "Linear perturbations of low angular momentum accretion flow in the Kerr metric and the corresponding emergent gravity phenomena." *Phys. Rev. D*, **98**, 12, 2018, [arXiv:1803.09896](#)
3. Shaikh, M. A.. "Relativistic sonic geometry for isothermal accretion in the Kerr metric." *Class. Quant. Grav.*, **35**, 5, 2018, [arXiv:1705.04918](#)
2. Datta, S., Shaikh, M. A., Das, T. K. "Acoustic geometry obtained through the perturbation of the Bernoulli's constant." *New Astron.*, **63**, 2018, [arXiv:1612.07954](#)
1. Shaikh, M. A., Firdousi, I., Das, T. K. "Relativistic sonic geometry for isothermal accretion in the Schwarzschild metric." *Class. Quant. Grav.*, **34**, 15, 2017, [arXiv:1612.07963](#)

SXS Collaboration

1. Scheel, M. A., others. "The SXS Collaboration's third catalog of binary black hole simulations.", 2025, [arXiv:2505.13378](#)

LVK Collaboration

34. Abac, A. G., others. "Directional Search for Persistent Gravitational Waves: Results from the First Part of LIGO-Virgo-KAGRA's Fourth Observing Run.", 2025, [arXiv:2510.17487](#)
33. Abac, A. G., others. "Directed searches for gravitational waves from ultralight vector boson clouds around merger remnant and galactic black holes during the first part of the fourth LIGO-Virgo-KAGRA observing run.", 2025, [arXiv:2509.07352](#)
32. Abac, A. G., others. "GW250114: Testing Hawking's Area Law and the Kerr Nature of Black Holes." *Phys. Rev. Lett.*, **135**, 11, 2025, [arXiv:2509.08054](#)
31. Abac, A. G., others. "GWTC-4.0: Constraints on the Cosmic Expansion Rate and Modified Gravitational-wave Propagation.", 2025, [arXiv:2509.04348](#)
30. Abac, A. G., others. "Upper Limits on the Isotropic Gravitational-Wave Background from the first part of LIGO, Virgo, and KAGRA's fourth Observing Run.", 2025, [arXiv:2508.20721](#)
29. Abac, A. G., others. "Open Data from LIGO, Virgo, and KAGRA through the First Part of the Fourth Observing Run.", 2025, [arXiv:2508.18079](#)
28. Abac, A. G., others. "GWTC-4.0: Updating the Gravitational-Wave Transient Catalog with Observations from the First Part of the Fourth LIGO-Virgo-KAGRA Observing Run.", 2025, [arXiv:2508.18082](#)
27. Abac, A. G., others. "GWTC-4.0: Population Properties of Merging Compact Binaries.", 2025, [arXiv:2508.18083](#)
26. Abac, A. G., others. "GWTC-4.0: Methods for Identifying and Characterizing Gravitational-wave Transients.", 2025, [arXiv:2508.18081](#)
25. Abac, A. G., others. "GWTC-4.0: An Introduction to Version 4.0 of the Gravitational-Wave

- Transient Catalog.", 2025, [arXiv:2508.18080](https://arxiv.org/abs/2508.18080)
24. Abac, A. G., others. "All-sky search for long-duration gravitational-wave transients in the first part of the fourth LIGO-Virgo-KAGRA Observing run.", 2025, [arXiv:2507.12282](https://arxiv.org/abs/2507.12282)
 23. Abac, A. G., others. "All-sky search for short gravitational-wave bursts in the first part of the fourth LIGO-Virgo-KAGRA observing run.", 2025, [arXiv:2507.12374](https://arxiv.org/abs/2507.12374)
 22. Abac, A. G., others. "GW231123: a Binary Black Hole Merger with Total Mass 190-265 M_\odot .", 2025, [arXiv:2507.08219](https://arxiv.org/abs/2507.08219)
 21. Abac, A. G., others. "Search for Continuous Gravitational Waves from Known Pulsars in the First Part of the Fourth LIGO-Virgo-KAGRA Observing Run." *Astrophys. J.*, **983**, 2, 2025, [arXiv:2501.01495](https://arxiv.org/abs/2501.01495)
 20. Abac, A. G., others. "Search for Gravitational Waves Emitted from SN 2023ixf." *Astrophys. J.*, **985**, 2, 2025, [arXiv:2410.16565](https://arxiv.org/abs/2410.16565)
 19. Abac, A. G., others. "A Search Using GEO600 for Gravitational Waves Coincident with Fast Radio Bursts from SGR 1935+2154." *Astrophys. J.*, **977**, 2, 2024, [arXiv:2410.09151](https://arxiv.org/abs/2410.09151)
 18. Raman, G., others. "Swift-BAT GUANO Follow-up of Gravitational-wave Triggers in the Third LIGO-Virgo-KAGRA Observing Run." *Astrophys. J.*, **980**, 2, 2025, [arXiv:2407.12867](https://arxiv.org/abs/2407.12867)
 17. Abac, A. G., others. "Observation of Gravitational Waves from the Coalescence of a 2.5-4.5 M_\odot Compact Object and a Neutron Star." *Astrophys. J. Lett.*, **970**, 2, 2024, [arXiv:2404.04248](https://arxiv.org/abs/2404.04248)
 16. Abac, A. G., others. "Ultralight vector dark matter search using data from the KAGRA O3GK run." *Phys. Rev. D*, **110**, 4, 2024, [arXiv:2403.03004](https://arxiv.org/abs/2403.03004)
 15. Fletcher, C., others. "A Joint Fermi-GBM and Swift-BAT Analysis of Gravitational-wave Candidates from the Third Gravitational-wave Observing Run." *Astrophys. J.*, **964**, 2, 2024, [arXiv:2308.13666](https://arxiv.org/abs/2308.13666)
 14. Abac, A. G., others. "Search for Eccentric Black Hole Coalescences during the Third Observing Run of LIGO and Virgo." *Astrophys. J.*, **973**, 2, 2024, [arXiv:2308.03822](https://arxiv.org/abs/2308.03822)
 13. Abbott, R., others. "Search for Gravitational-lensing Signatures in the Full Third Observing Run of the LIGO-Virgo Network." *Astrophys. J.*, **970**, 2, 2024, [arXiv:2304.08393](https://arxiv.org/abs/2304.08393)
 12. Abbott, R., others. "Open Data from the Third Observing Run of LIGO, Virgo, KAGRA, and GEO." *Astrophys. J. Suppl.*, **267**, 2, 2023, [arXiv:2302.03676](https://arxiv.org/abs/2302.03676)
 11. Abbott, R., others. "Search for subsolar-mass black hole binaries in the second part of Advanced LIGO's and Advanced Virgo's third observing run." *Mon. Not. Roy. Astron. Soc.*, **524**, 4, 2023, [arXiv:2212.01477](https://arxiv.org/abs/2212.01477)
 10. Abbott, R., others. "Search for Gravitational-wave Transients Associated with Magnetar Bursts in Advanced LIGO and Advanced Virgo Data from the Third Observing Run." *Astrophys. J.*, **966**, 1, 2024, [arXiv:2210.10931](https://arxiv.org/abs/2210.10931)
 9. Abbott, R., others. "Model-based Cross-correlation Search for Gravitational Waves from the Low-mass X-Ray Binary Scorpius X-1 in LIGO O3 Data." *Astrophys. J. Lett.*, **941**, 2, 2022, [arXiv:2209.02863](https://arxiv.org/abs/2209.02863)
 8. Abbott, R., others. "Search for continuous gravitational wave emission from the Milky Way center in O3 LIGO-Virgo data." *Phys. Rev. D*, **106**, 4, 2022, [arXiv:2204.04523](https://arxiv.org/abs/2204.04523)
 7. Abbott, R., others. "First joint observation by the underground gravitational-wave detector KAGRA with GEO 600." *PTEP*, **2022**, 6, 2022, [arXiv:2203.01270](https://arxiv.org/abs/2203.01270)
 6. Abbott, R., others. "Search for gravitational waves from Scorpius X-1 with a hidden Markov model in O3 LIGO data." *Phys. Rev. D*, **106**, 6, 2022, [arXiv:2201.10104](https://arxiv.org/abs/2201.10104)
 5. Abbott, R., others. "All-sky search for continuous gravitational waves from isolated neutron

stars using Advanced LIGO and Advanced Virgo O3 data.” *Phys. Rev. D*, **106**, 10, 2022, arXiv:2201.00697

4. Abbott, R., others. “Tests of General Relativity with GWTC-3.”, 2021, arXiv:2112.06861
3. Abbott, R., others. “All-sky search for gravitational wave emission from scalar boson clouds around spinning black holes in LIGO O3 data.” *Phys. Rev. D*, **105**, 10, 2022, arXiv:2111.15507
2. Abbott, R., others. “Searches for Gravitational Waves from Known Pulsars at Two Harmonics in the Second and Third LIGO-Virgo Observing Runs.” *Astrophys. J.*, **935**, 1, 2022, arXiv:2111.13106
1. Abbott, R., others. “Constraints on the Cosmic Expansion History from GWTC-3.” *Astrophys. J.*, **949**, 2, 2023, arXiv:2111.03604

Seminars

14. “Defining eccentricity for spin-precessing binaries”, ICTS, Bangalore, India, August 7, 2025
13. “Defining eccentricity for spin-precessing binaries”, IUCAA, Pune, India, June 18, 2025
12. “gw_eccentricity: a Python package to measure orbital eccentricity from gravitational waveforms”, Inje University, Gimhae, Korea, November 3, 2023
11. “gw_eccentricity: a Python package to measure orbital eccentricity from gravitational waveforms”, IUCAA, Pune, India, June 19, 2023
10. “gw_eccentricity: a Python package to measure orbital eccentricity from gravitational waveforms”, ICTS-TIFR, Bangalore, India, June 15, 2023
9. “Measuring Eccentricity from Gravitational Waveform”, ITP, Beijing, China, May 11, 2023
8. “Measuring Eccentricity from Gravitational Waveform”, BNU, Beijing, China, May 10, 2023
7. “Defining eccentricity for gravitational wave astronomy”, KASI, Daejeon, Korea, April 20, 2023
6. “Standardizing the definition of eccentricity for gravitational wave astronomy”, IBS, Daejeon, Korea, April 18, 2023
5. “Defining eccentricity for gravitational wave astronomy”, ICTS-TIFR, Bangalore (online), India, December 1, 2022
4. “Defining eccentricity for gravitational wave astronomy”, RESCEU, Tokyo, Japan, November 18, 2022
3. “Defining eccentricity for gravitational wave astronomy”, OIT, Osaka, Japan, November 16, 2022
2. “Defining eccentricity for gravitational wave astronomy”, YITP, Kyoto, Japan, November 14, 2022
1. “On the emergent sonic geometry through the linear perturbation of relativistic black hole accretion”, HRI, Allahabad, India, November 18, 2019

Conference Talks

9. “What do we know about the eccentricity of the GW sources?”, Cosmology in Multi-Messenger Era, Seoul, Korea, October 14–14, 2024
8. “A study of IMRCT on eccentric GW signal”, GW Universe Workshop 8, Seoul, Korea, December 26–27, 2023
7. “Comparing eccentric waveforms for gravitational wave data analysis”, 2nd H.S. Yun Astronomy Workshop, Seoul, Korea, August 29–30, 2023

6. "Defining eccentricity for gravitational wave astronomy", [ICGAC15](#), Gyeongju, Korea, July 3–7, 2023
5. "Defining eccentricity for gravitational wave astronomy", [APSWG](#)C, Hangzhou, China, May 14–22, 2023
4. "Defining eccentricity for gravitational wave astronomy", [GWPW](#), Melbourne, Australia, December 4–9, 2022
3. "[Probing the evolution history of compact binaries from higher modes of gravitation waves](#)", [ICTS In-house symposium](#), Bangalore, India, February 17–18, 2020
2. "Relativistic acoustic geometry in general relativistic accretion disc around Kerr black holes", [Exploring the Universe: Near Earth Space Science to Extra-Galactic Astronomy](#), Kolkata, India, November 14–17, 2018
1. "Emergence of curved sonic manifold for isothermal accretion in black hole metric", [Young Astronomers Meet](#), Pune, India, September 11–15, 2017

Conference Posters

5. "Surrogate and hybrid models of eccentric waveforms using numerical relativity", [765. WE Heraeus-Seminar: Gravitational Wave and Multimessenger Astronomy](#), Physikzentrum Bad Honnef, Germany, April 25–28, 2022
4. "Probing the evolution of compact binaries using higher modes of gravitational waves", 39th meeting of ASI, Online, India, February 18–23, 2021
3. "Probing evolution history of compact binaries using higher modes of gravitational waves", LVK September Meeting, Online, LIGO, September 14–17, 2020
2. "Relativistic sonic geometry for isothermal accretion in Kerr metric", 29th meeting of IAGRG, Guwahati, India, May 18–20, 2017
1. "Emergence of relativistic sonic geometry through perturbation of matter in black hole metric", 35th meeting of ASI, Jaipur, India, March 6–10, 2017

Workshops

25. "The Future of Gravitational-Wave Astronomy", [ICTS](#), Bangalore, India, October 27–31, 2025
24. "Cosmology in Multi-Messenger Era", [Gravitational Wave Universe](#), SNU, Seoul, Korea, October 14–14, 2024
23. "[KAS 2023 Fall Meeting](#)", Korean Astronomical Society, RABADA PLAZA, JEJU, Korea, October 18–20, 2023
22. "[LVK 2023 September Meeting](#)", LVK Collaboration, Toyama, Japan, September 11–15, 2023
21. "GW Universe Workshop 7", [Gravitational Wave Universe](#), Seoul, Korea, June 12–12, 2023
20. "[KAS 2023 Spring Meeting](#)", Korean Astronomical Society, LAHANHOTEL, JEONJU, Korea, April 12–14, 2023
19. "[LVK 2023 March Meeting](#)", Center for Interdisciplinary Exploration and Research in Astrophysics (CIERA), (remote participation), Evanston, USA, March 13–16, 2023
18. "[68th Workshop on Gravitational Waves and Numerical Relativity](#)", APCTP, Pohang, Korea, March 15–16, 2023
17. "GW Universe Winter Workshop 2023", [Gravitational Wave Universe](#), Yongpyong Ski Resort, Gwangwon, Korea, February 26–March 1, 2023
16. "[GW Universe Workshop6](#)", [Gravitational Wave Universe](#), Seoul, Korea, November 24–25, 2022

15. "67th Workshop on Gravitational Waves and Numerical Relativity", APCTP, Pohang, Korea, October 26–27, 2022
14. "Summer School on Gravitational-Wave Astronomy", ICTS-TIFR, Bangalore, India, July 5–16, 2021
13. "ICERM Fall 2020 Workshop 1: Advances and Challenges in Computational Relativity", ICERM, Brown University, Online, USA, September 14–18, 2020
12. "ICTS workshop on parameter estimation with bilby", ICTS-TIFR, Bangalore, India, August 27–28, 2020
11. "Test of General Relativity using Gravitational Waves", IACS, Kolkata & IIT Gandhinagar, Online, India, August 13–14, 2020
10. "PyCBC Inference Online Workshop 2020", AEI, Hannover, Online, Germany, June 25–26, 2020
9. "Gravitational-Wave Open Data Workshop #3", LIGO-Virgo Collaboration, Online, USA, May 26–28, 2020
8. "Summer School on Gravitational-Wave Astronomy", ICTS-TIFR, Online, India, May 18–23, 2020
7. "Astrophysics of Supermassive Black Holes", ICTS-TIFR, Bangalore, India, December 17–19, 2019
6. "Newton Bhabha-Open Data workshop", IUCAA, Pune, India, December 4–6, 2019
5. "The Future of Gravitational-Wave Astronomy", ICTS, Bangalore, India, August 19–22, 2019
4. "Summer School on Gravitational-Wave Astronomy", ICTS-TIFR, Bangalore, India, July 25–26, 2019
3. "Theoretical Aspects of Astroparticle Physics, Cosmology and Gravitation", Galileo Galilei Institute for Theoretical Physics, Florence, Italy, March 11–22, 2019
2. "Black Holes: From Classical to Quantum Gravity", IIT, Gandhinagar, India, December 15–19, 2017
1. "Summer School on Gravitational-Wave Astronomy", ICTS-TIFR, Bangalore, India, July 17–28, 2017

Research Visits

20. Chunglee Kim, Ewha Womans University, Seoul, Korea, October 20–21, 2025
19. Hyung Mok Lee, Seoul National University, Seoul, Korea, October 15–25, 2025
18. Prayush Kumar, ICTS-TIFR, Bangalore, India, August 4–10, 2025
17. Shasvath Kapadia, IUCAA, Pune, India, June 16–22, 2025
16. Hyung Mok Lee, Seoul National University, Seoul, Korea, October 10–20, 2024
15. Hyung Won Lee, Inje University, Gimhae, Korea, November 2–3, 2023
14. Shasvath Kapadia, IUCAA, Pune, India, June 18–21, 2023
13. Prayush Kumar, ICTS-TIFR, Bangalore, India, June 15–18, 2023
12. Zhoujian Cao, BNU, Beijing, China, May 9–11, 2023
11. Arman Shafieloo, KASI, Daejeon, Korea, April 19–20, 2023
10. Young Bok Bae, IBS, Daejeon, Korea, April 18–19, 2023
9. Junichi Yokoyama, UoT, Tokyo, Japan, November 17–19, 2022

8. Hisa-aki Shinkai, OIT, Osaka, Japan, November 15–17, 2022
7. Kunihito Ioka, YITP, Kyoto, Japan, November 13–15, 2022
6. Frank Ohme, AEI, Hannover, Germany, April 20–24, 2022
5. Harald Pfeiffer, AEI, Potsdam, Germany, March 20–April 20, 2022
4. Tapas Kumar Das, HRI, Allahabad, India, November 15–25, 2019
3. P Ajith, ICTS-TIFR, Bangalore, India, March 25–April 6, 2019
2. P Ajith, ICTS-TIFR, Bangalore, India, September 27–October 11, 2017
1. Tarun Souradeep, IUCAA, Pune, India, September 6–October 20, 2014

Teaching

- **Stochastic gravitational wave background from early universe** (Tutor), Instructor: Shi Pi
[Summer School on Gravitational Wave Astronomy, ICTS-TIFR](#), Bangalore, India
 July 5–16, 2021
- **Introduction to General Relativity** (Tutor), Instructor: Bala Iyer
 Graduate semester course, [ICTS-TIFR](#), Bangalore, India
 August 1–December 31, 2020
- **Parameter estimation with bilby** (Tutor), Instructor: [Gregory Ashton](#)
[ICTS workshop, ICTS-TIFR](#), Bangalore, India
 August 27–28, 2020
- **Numerical Hydrodynamics** (Tutor), Instructor: Ian Hawke
[Summer School on Gravitational Wave Astronomy, ICTS-TIFR](#), Bangalore, India
 May 18–June 5, 2020
- **An Introduction to GW Physics & Astronomy** (Tutor), Instructor: P. Ajith & Bala Iyer
 Graduate semester course, [ICTS-TIFR](#), Bangalore, India
 January 1–April 30, 2020
- **Advanced General Relativity** (Tutor), Instructor: Sudipta Sarkar
[Summer School on Gravitational Wave Astronomy, ICTS-TIFR](#), Bangalore, India
 July 15–26, 2021
- **Statistical Physics** (Tutor), Instructor: G. V. Pai
 Graduate semester course, [HRI](#), Allahabad, India
 August 1–December 31, 2017

Refereeing

- [Classical and Quantum Gravity](#)
- [The European Physical Journal C](#)
- [Journal of Physics A: Mathematical and Theoretical](#)

References

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