

ALL PEER-REVIEWED PUBLICATIONS

First-Author Publications

- Stein, Robert, Simeon Reusch, Anna Franckowiak, Marek Kowalski, Jannis Necker, et al. (2023). “Neutrino follow-up with the Zwicky Transient Facility: Results from the first 24 campaigns”. In: *Monthly Notices of the Royal Astronomical Society* 521.4, pp. 5046–5063.
- Stein, Robert, Sjoert van Velzen, Marek Kowalski, Anna Franckowiak, Suvi Gezari, et al. (2021). “A tidal disruption event coincident with a high-energy neutrino”. In: *Nature Astronomy* 5.5, pp. 510–518.

Major Contributions

- Abbasi, R, M Ackermann, J Adams, SK Agarwalla, JA Aguilar, et al. (2023). “Constraining High-energy Neutrino Emission from Supernovae with IceCube”. In: *The Astrophysical Journal Letters* 949.1, p. L12.
- Necker, Jannis, Thomas de Jaeger, Robert Stein, Anna Franckowiak, Benjamin J Shappee, et al. (2022). “ASAS-SN follow-up of IceCube high-energy neutrino alerts”. In: *Monthly Notices of the Royal Astronomical Society* 516.2, pp. 2455–2469.
- Reusch, Simeon, Robert Stein, Marek Kowalski, Sjoert Van Velzen, Anna Franckowiak, et al. (2022). “Candidate tidal disruption event AT2019fdr coincident with a high-energy neutrino”. In: *Physical review letters* 128.22, p. 221101.
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- Kasliwal, Mansi M, Shreya Anand, Tomás Ahumada, Robert Stein, Ana Sagués Carracedo, et al. (2020). “Kilonova luminosity function constraints based on Zwicky transient facility searches for 13 neutron star merger triggers during O3”. In: *The Astrophysical Journal* 905.2, p. 145.

As Collaborator

- Andreoni, Igor, Michael W Coughlin, Alexander W Criswell, Mattia Bulla, Andrew Toivonen, et al. (2024). “Enabling kilonova science with Nancy Grace Roman Space Telescope”. In: *Astroparticle Physics* 155, p. 102904.
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- Liu, Chang, Adam A Miller, Samuel J Boos, Ken J Shen, Dean M Townsley, et al. (2023). “SN 2022joj: A Peculiar Type Ia Supernova Possibly Driven by an Asymmetric Helium-shell Double Detonation”. In: *The Astrophysical Journal* 958.2, p. 178.
- Panagiotou, Christos, Kishalay De, Megan Masterson, Erin Kara, Michael Calzadilla, et al. (2023). “A Luminous Dust-obscured Tidal Disruption Event Candidate in a Star-forming Galaxy at 42 Mpc”. In: *The Astrophysical Journal Letters* 948.1, p. L5.
- Ahumada, Tomás, Shreya Anand, Michael W Coughlin, Igor Andreoni, Erik C Kool, et al. (2022). “In Search of Short Gamma-Ray Burst Optical Counterparts with the Zwicky Transient Facility”. In: *The Astrophysical Journal* 932.1, p. 40.
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As Member of IceCube Collaboration

- Abbasi, R, M Ackermann, J Adams, SK Agarwalla, N Aggarwal, et al. (2023a). “Limits on Neutrino Emission from GRB 221009A from MeV to PeV Using the IceCube Neutrino Observatory”. In: *The Astrophysical Journal Letters* 946.1, p. L26.
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- (2020k). “Search for PeV Gamma-Ray Emission from the Southern Hemisphere with 5 Yr of Data from the IceCube Observatory”. In: *The Astrophysical Journal* 891.1, p. 9.
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- (2020m). “Velocity independent constraints on spin-dependent DM-nucleon interactions from IceCube and PICO”. In: *The European Physical Journal C* 80, pp. 1–8.
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PROCEEDINGS, PREPRINTS, WHITE PAPERS

First-Author

- Stein, Robert, Ashish Mahabal, Simeon Reusch, Matthew Graham, Mansi M Kasliwal, et al. (2023). “tdscore: An Accurate Photometric Classifier for Tidal Disruption Events”. In: *arXiv preprint arXiv:2312.00139*.
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Major Contributions

- Van Velzen, S, R Stein, M Gilfanov, M Kowalski, K Hayasaki, et al. (2021). “Establishing accretion flares from massive black holes as a major source of high-energy neutrinos”. In: *arXiv preprint arXiv:2111.09391*.

As Collaborator

- Brennan, SJ, J Sollerman, I Irani, S Schulze, P Chen, et al. (2024). “Spectroscopic observations of progenitor activity 100 days before a Type Ibn supernova”. In: *arXiv preprint arXiv:2401.15148*.
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