Selected Publications (*peer-reviewed)

- Full list available at Google Scholar
- **Stats:** 9292 citations, h-index 42, i-10 index: 94, 107 peer-reviewed publications
- 96 GCNs + 11 ATELs + 4 AstroNotes (non-refereed), 78 preprints + proceedings

2024 *tdescore: An Accurate Photometric Classifier for Tidal Disruption Events*
R. Stein et al. (submitted)

Establishing accretion flares from massive black holes as a major source of high-energy neutrinos
S. van Velzen, **R. Stein** et al., (submitted)

SN2023uqf: Portrait of a candidate multi-messenger supernova
R. Stein et al. (in prep.)

2023 *Neutrino Follow-Up with the Zwicky Transient Facility*
***R. Stein** et al., MNRAS, Volume 521, Issue 4

Constraining High-energy Neutrino Emission from Supernovae with IceCube
*IceCube Collaboration, ApJL 949 L12
- **R. Stein** as one of three credited authors

2022 *ASAS-SN follow-up of IceCube high-energy neutrino alerts*
*J. Necker, T. de Jaegar, **R. Stein** et al., MNRAS, Volume 516, Issue 2

The candidate tidal disruption event AT2019fdr coincident with a high-energy neutrino
*S. Reusch, **R. Stein** et al., Phys. Rev. Lett. 128, 221101

2021 *Tidal Disruption Events and High-Energy Neutrinos*
R. Stein, PoS(ICRC2021)009

A tidal disruption event neutrino coincident with a high-energy neutrino
***R. Stein** et al., 2021, Nat Astron 5, 510-518

2020 *Kilonova Luminosity Function Constraints based on Zwicky Transient Facility searches for 13 Neutron Star Mergers*
*M. M. Kasliwal, S. Anand, T. Ahumada **R. Stein** et al., ApJ, 905, 145

2019 *Search for Neutrinos from Populations of Optical Transients*
, **R. Stein** for the IceCube Collaboration, PoS(ICRC2019)1016

Selected Software

2023 **R. Stein** et al., *Mirar*
Photometric reduction code, used for WINTER, SEDmV2 and DREAMS.

2020 **R. Stein** et al., *NuZTF*, DOI: 10.5281/zenodo.4048335
ZTF MMA analysis code, used for neutrino, GW and GRB searches.

R. Stein et al., *Flarestack*, DOI: 10.5281/zenodo.3619383
Likelihood analysis code for neutrino correlation studies