

## SELECTED PEER-REVIEWED PUBLICATIONS

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- 2020** M. M. KASLIWAL et al., *Kilonova Luminosity Function Constraints based on Zwicky Transient Facility searches for 13 Neutron Star Mergers* (accepted)  
*Developed one of three analysis pipelines used for realtime data analysis in GW follow-up. Lead or contributed to many of the individual GW follow-up campaigns, performed in real-time. Contributed to the post-search data analysis, including estimates of coverage and the statistical interpretation of non-detections.*
- R. STEIN et al., *A high-energy neutrino coincident with a tidal disruption event* (accepted)  
*Developed the neutrino follow-up program, led many of the neutrino campaigns. Created the program analysis pipeline, led additional post-search follow-up. Identified the Tidal Disruption Event AT2019dsg as a likely neutrino source, led the multi-wavelength modelling, statistical analysis and neutrino data analysis.*
- V. PALIYA et al., *Multi-Frequency Observations of the Candidate Neutrino Emitting Blazar BZB J0955+3551* 2020, ApJ, 902, 29  
*Performed the statistical analysis of chance coincidence, led neutrino data analysis.*
- A. FRANCKOWIAK et al., *Patterns in the multi-wavelength behavior of candidate neutrino blazars* 2020, ApJ, 893, 162  
*Contributed to the discussion of statistical analysis and interpretation.*
- S. VAN VELZEN et al., *Seventeen Tidal Disruption Events from the First Half of ZTF Survey Observations: Entering a New Era of Population Studies* (accepted)  
*Technical implementation of filtering and analysis pipeline, code development*

## SELECTED PROCEEDINGS AND PUBLICATIONS IN PREP.

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- 2020** T. AHUMADA ET AL., *Ab Whiskey: Identification of the Afterglow of the Short-Duration Gamma-Ray Burst GRB 200826A with the Zwicky Transient Facility*, (in prep.)  
*Created analysis pipeline. Participated in all individual GRB follow-up campaigns, performed real-time data analysis to identify candidate afterglows.*
- S. REUSCH ET AL., *Observations of bright nuclear transient AT2019fdr coincident with high-energy neutrino IceCube-200530A*, (in prep.)  
*My analysis pipeline was used for real-time data analysis, participated in all neutrino follow-up campaigns. Led the both statistical and neutrino data analysis of this work, and contributed radio data as PI of a successful VLA DDT proposal.*
- 2019** R. STEIN FOR THE ICECUBE COLLABORATION, *Search for Neutrinos from Populations of Optical Transients*, PoS(ICRC2019)1016  
*Developed likelihood analysis code, used by the IceCube collaboration for neutrino astronomy searches. Used this code to performed TDE-neutrino correlation study. Compiled a catalogue of TDEs based on published examples in the literature. Developed code to perform additional cosmology calculations for deriving the diffuse flux associated with a neutrino source population, and used this to set limits on the contribution of TDEs to the neutrino flux.*