



## Andrew Sullivan

Ph.D. Student in Physics, admitted Autumn 2022

### Publications

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#### PUBLICATIONS

- **Small-scale radio jets and tidal disruption events: a theory of high-luminosity compact symmetric objects** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Sullivan, A. G., Blandford, R. D., Begelman, M. C., Birkinshaw, M., Readhead, A. S.  
2024; 528 (4): 6302-6311
- **Gamma-ray burst precursors from tidally resonant neutron star oceans: potential implications for GRB 211211A** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Sullivan, A. G., Alves, L. B., Marka, Z., Bartos, I., Marka, S.  
2024; 527 (3): 7722-7730
- **Polarization of Intrabinary Shock Emission in Spider Pulsars** *ASTROPHYSICAL JOURNAL*  
Sullivan, A. G., Romani, R. W.  
2023; 959 (2)
- **Probing the dark Solar system: detecting binary asteroids with a space-based interferometric asteroid explorer** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Sullivan, A. G., Veske, D., Marka, Z., Bartos, I., Marka, S.  
2022; 512 (3): 3738-3753
- **Search for Black Hole Merger Families** *ASTROPHYSICAL JOURNAL LETTERS*  
Veske, D., Sullivan, A. G., Marka, Z., Bartos, I., Corley, K., Samsing, J., Buscicchio, R., Marka, S.  
2021; 907 (2)
- **Can we use next-generation gravitational wave detectors for terrestrial precision measurements of Shapiro delay?** *CLASSICAL AND QUANTUM GRAVITY*  
Sullivan, A. G., Veske, D., Marka, Z., Bartos, I., Ballmer, S., Shawhan, P., Marka, S.  
2020; 37 (20)
- **Have hierarchical three-body mergers been detected by LIGO/Virgo?** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Veske, D., Marka, Z., Sullivan, A. G., Bartos, I., Corley, K., Samsing, J., Marka, S.  
2020; 498 (1): L46-L52
- **Attracting Opposites: Promiscuous Ion- $\pi$  Binding in the Nucleobases** *JOURNAL OF PHYSICAL CHEMISTRY A*  
Ernst, B. G., Lao, K., Sullivan, A. G., DiStasio, R. A.  
2020; 124 (20): 4128-4140