

Khunanon Thongkham

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EDUCATION	University of Florida, Gainesville, FL USA Ph.D. Astronomy, Aug 2024 M.S. Astronomy, May 2022 Thesis title: <i>The Massive and Distant Clusters of WISE Survey 2</i> Advisor: Professor Anthony Gonzalez
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	University of Colorado at Boulder, Boulder, CO USA B.A. Physics, May 2019 B.A. Astronomy, May 2019
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RESEARCH INTEREST	Galaxy cluster detection with optical and infrared photometry, galaxy cluster evolution, multiwavelength study of galaxy cluster and its components, galaxy cluster cosmology, galaxy evolution, redshift survey, machine learning techniques in astronomy
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PROPOSALS GRANTS	Co-Investigator on Palomar Proposal WIRC Imaging of $z \approx 2$ Galaxy Cluster Candidates from WISE PI: Peter Eisenhardt 2024A, 2024B
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	Co-Investigator on Magellan Proposal Moo Two: Letting MaDCoWS 2 Out of the Barn PI: Thomas Connor 2023B, 2024A
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	Co-Investigator on GBT Proposal MUSTANG-2 Observations of the Highest-Richness MaDCoWS Clusters at $0.8 < z < 1.6$ PI: Mark Brodwin 2020B
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MENTORING	University of Florida, Gainesville, FL <ul style="list-style-type: none">• Undergraduate Student: Ryan Spivey (University of Florida, Spring 2024)• Undergraduate Student: Shambhavi Srivastava (University of Arizona, summer 2023)
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PRESENTATIONS POSTERS	<i>Massive and Distant Clusters of WISE Survey 2 preliminary result</i> , Talk, 2022 GTC VII MEETING, online. (May 2022) <i>Massive and Distant Clusters of WISE Survey 2</i> , Poster, Galaxy Clusters 2022 STScI Spring Symposium, online. (Apr 2022)
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PUBLICATIONS

1. *The Massive and Distant Clusters of WISE Survey 2: Second Data Release*
Thongkham, K., et al, 2024, ApJ, submitted
2. *The Massive and Distant Clusters of WISE Survey 2: A Stacking Analysis Investigating the Evolution of Star Formation Rates and Stellar Masses in Groups and Clusters*
Trudeau, A., et al, 2024, ApJ, 972, 1, 27 (arXiv:2406.03633)
3. *The Massive and Distant Clusters of WISE Survey 2: Equatorial First Data Release*
Thongkham, K., et al, 2024, ApJ, 967, 2, 123 (arXiv:2403.16976)
4. *The Massive and Distant Clusters of WISE Survey XI: Stellar Mass Fractions and Luminosity Functions of MaDCoWS Clusters at $z \approx 1$*
Decker, B., et al, 2020, ApJ, 936, 1, 71 (arXiv:2112.12239)
5. *The Massive and Distant Clusters of WISE Survey. X. Initial Results from a Sunyaev-Zeldovich Effect Study of Massive Galaxy Clusters at $z > 1$ Using MUSTANG2 on the GBT*
Dicker, S., et al, 2020, ApJ, 902, 2, 144 (arXiv:2006.06703)