

Colin Holm-Hansen

📍 Ann Arbor, MI ✉ cphh(at)umich(dot)edu 🔗 cholm-hansen.github.io 🌐 cholm-hansen

Education

University of Michigan	2024 - Present
<ul style="list-style-type: none"> • Ph.D. in Astronomy & Astrophysics • Advisor: Oleg Gnedin 	
Columbia University	2020 – 2024
<ul style="list-style-type: none"> • B.A. in Physics (with Honors), Concentration in Astronomy • Advisors: Mary Putman, Mordecai Mac Low, Sarah Pearson 	

First Author Publications

<i>Catalog of Mock Stellar Streams in Milky Way-Like Galaxies</i>	2025
Colin Holm-Hansen , Yingtian Chen, Oleg Y. Gnedin, OJAp , submitted 🔗	
<i>Properties of 3D HI filaments in the smith high velocity cloud</i>	2025
Colin Holm-Hansen , M.E. Putman, D.A. Kim, MNRAS , 536, 3507 🔗	

Co-Author Publications

<i>StarStream: Automatic Detection Algorithm for Stellar Streams</i>	2025
Yingtian Chen, Oleg Y. Gendin, Adrian M. Price-Whelan, Colin Holm-Hansen , AAS, submitted 🔗	
<i>A Catalog of Galactic Atomic Hydrogen PPV Filaments</i>	2025
M.E. Putman et. al (incl. C. Holm-Hansen), ApJ , submitted 🔗	
<i>The MDW Hα Sky Survey: Data Release 0</i>	2024
Noor Afthab et. al (incl. Colin Holm-Hansen), AJ , 168, 260 🔗	

Talks

Gravity in the Local Group, Carnegie Melon University	2025
Univeristy of Michigan Astronomy Graduate Lunch Talk Series	2025
Columbia University Astronomy Department Pizza Lunch	2024
Columbia University Society for Physics Students	2024
Columbia University Blueshift Astronomy Club	2024
Gravitational Waves Research Group Meeting, Neils Bohr Institute, Copenhagen	2024
Galaxy Group, Lund University, Sweden	2024
243rd AAS Winter Meeting, New Orleans	2024
Easton Meteorite Anniversary Night	2023
Columbia Undergraduate Research Symposium	2023
Columbia Astrofest	2023

Awards

Columbia College Senior Thesis Funding	2024
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Columbia College Summer Funding Program	2023
Columbia College Summer Funding Program	2023
MDW Fellowship	2023
Peter Burton Hanson Memorial Award for Humanity	2019

Teaching

Graduate Student Instructor, ASTRO 102 (Michigan)	2025
Graduate Student Instructor, ASTRO 102 (Michigan)	2024
Teaching Assistant, Physics II: Thermodynamics, Electricity, and Magnetism (Columbia)	2024
Teaching Assistant, Physics I: Mechanics and Relativity (Columbia)	2023