

# Chloe Neufeld

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## Education

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2022 - present	<b>Astronomy Ph.D. (in progress)</b> Yale University <i>Advisor: Prof. Pieter van Dokkum</i>
2024	<b>Astronomy MPhil, Astronomy MSc</b> Yale University
2018 - 2022	<b>Physics B.S. (emphasis in Astrophysics), Math Minor, Art History Minor</b> University of California, Davis <i>Advisor: Prof. Maruša Bradač</i>

## Publications (First & Co-First Author)

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1. Medlock, I., **Neufeld, C.**, Nagai, D., et al. Quantifying Baryonic Feedback on the Warm–Hot Circumgalactic Medium in CAMELS Simulations, *ApJ* **980**, 1 (2025). arXiv: 2410.16361
2. **Neufeld, C.**, van Dokkum, P., et al. FRESCO: The Paschen- $\alpha$  Star Forming Sequence at Cosmic Noon, *ApJ* **972**, 2 (2024). arXiv: 2404.10816
3. **Neufeld, C.**, Strait, V., Bradač, M. et al. RELICS: Small Lensed  $z \geq 5.5$  Galaxies Selected as Potential Lyman Continuum Leakers. *MNRAS* **516**, 2 (2022). arXiv: 2111.14882

## Conferences and Talks

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November 2025	<b>Direct emission maps of cool gas in a star forming, low mass galaxy</b> Astro Journal Club, Rutgers University <i>Seminar talk</i>
July 2025	<b>Direct emission maps of cool gas in a star forming, low mass galaxy</b> Cosmic Ecosystems, Perimeter Institute for Theoretical Physics <i>Contributed talk</i>
June 2025	<b>Direct emission maps of cool gas in a star forming, low mass galaxy</b> Galactic Frontiers II: Dwarf Galaxies in the Local Volume and Beyond, Dartmouth College <i>Contributed talk</i>
July 2024	<b>Paschen-<math>\alpha</math> and the Star Forming Sequence at Cosmic Noon</b> European Astronomical Society (EAS) Annual Meeting 2024, remote <i>Contributed talk</i>
April 2024	<b>The Paschen-<math>\alpha</math> Star Forming Sequence at <math>z \sim 1 - 2</math></b> Space Telescope Science Institute (STScI) 2024 Spring Symposium, Baltimore <i>Poster / flash talk</i>
January 2024	<b>Paschen-<math>\alpha</math> and the Star Forming Sequence at Cosmic Noon</b> American Astronomical Society (AAS) 243 Winter Meeting, New Orleans <i>Contributed talk</i>
April 2022	<b>Early Galaxies: Shedding Light on Cosmic Dawn</b> Astronomy on Tap, Davis <i>Public talk</i>

October 2021	<b>Small Lensed <math>z \geq 5.5</math> Galaxies Selected as Potential Lyman Continuum Leakers</b> APS Far West Section Conference, remote <i>Contributed talk</i>
April 2021	<b>Galaxy Sizes at Cosmic Dawn</b> UC Davis Undergraduate Research Conference, remote <i>Contributed talk</i>

## Observations

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### Observing Experience:

Keck/KCWI	9 nights <i>lead observer: 2.5 nights</i>
Keck/NIRSPEC	1 night
Keck/LRIS	3 nights <i>lead observer: 1 night</i>
P200/NGPS	1 night <i>lead observer: 1 night</i>

### Accepted PI Proposals:

Keck/KCWI	2.5 nights
Keck/LRIS	1 night
P200/NGPS	4 nights

## Teaching

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2022 - 2025	<b>Teaching Fellow, Yale University</b> ASTR 110: Stars and Planets; <i>Prof. Michael Faison</i> ASTR 210: Stars and Their Evolution; <i>Prof. Robert Zinn</i> ASTR 160: Frontiers of Astrophysics; <i>Prof. Marla Geha</i> ASTR 465/565: The Evolving Universe; <i>Prof. Pieter van Dokkum</i> ASTR 355/555: Observational Astronomy; <i>Prof. Pieter van Dokkum</i>
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## Outreach

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2024 - 2025	<b>Astronomy Student Council, Yale Astronomy Department</b> <i>Council member</i>
2023 - present	<b>Galaxy Lunch, Yale Astronomy Department</b> <i>Seminar organizer</i>
2023 - present	<b>Astronomy Climate and Diversity Committee, Yale Astronomy Department</b> <i>Committee member</i>
2025	<b>Seeds of Success, New Haven</b> <i>Mentor</i>
2022 - 2024	<b>Astrosibs, Yale Astronomy Department</b> <i>Graduate student mentor</i>
2022 - present	<b>Astro on Tap, New Haven</b> <i>Organizing member</i>
2019 - 2022	<b>Physics Club at UC Davis</b> <i>Club officer, project team member</i>

## **Honors and Awards**

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2024 – **Dean’s Fund for Colloquia and Symposia**; Yale University GSAS

2022 – **Outstanding Performance Citation**; UC Davis Physics & Astronomy Department

2022 – **Saxon-Patten Prize**; UC Davis Physics & Astronomy Department

**The Honor Society of Phi Beta Kappa**

**The Honor Society of Phi Kappa Phi**