

Rebecca Turner Woody

Ph.D. Candidate, Astrophysics

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Education

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| PhD | Harvard University , Astronomy & Astrophysics | Cambridge, MA |
| | • Advisor: Charlie Conroy | Aug 2021 – present |
| BS, | Johns Hopkins University , Physics, Mathematics | Baltimore, MD |
| BA | • Graduated summa cum laude | Aug 2017 – May 2021 |

Research Interests

Stellar evolution and modeling, stellar ages and isochrone fitting, Galactic archaeology, asteroseismology, convection and mixing length theory, low mass stars, globular clusters

Teaching and Leadership

- Harvard University — Lab Teaching Fellow (Spring 2024): ASTRON 16, Stellar and Planetary Astronomy
- Harvard University — Teaching Fellow (Spring 2022): ASTRON 100, Methods of Observational Astronomy

Honors and Awards

- 2021 Donald E. Kerr Memorial Award, Johns Hopkins University Department of Physics & Astronomy
- 2020 Goldwater Scholar

Talks

- *TODO Conference / Seminar*, Location (Month Year)

Posters

- *TODO Conference*, Location (Month Year)

Workshops

- Yale/CeNAM Nuclear Asteroseismology Workshop (July 2026)
- MESA Summer School, KU Leuven (2025)

First-Author Publications

Classical Cases of Non-Solar Mixing Length in Low Mass Stars
Woody, Rebecca, et al.
(in preparation)

The Rapid Formation of the Metal-poor Milky Way <i>Woody, Rebecca</i> , Conroy, C., Cargile, P., et al. ui.adsabs.harvard.edu/abs/2025ApJ...978..152W/abstract (ApJ, 978, 152)	2025
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The Age–Metallicity–Specific Orbital Energy Relation for the Milky Way’s Globular Cluster System Confirms the Importance of Accretion for Its Formation 2021
Woody, Rebecca, Schlaufman, K. C.
ui.adsabs.harvard.edu/abs/2021AJ....162...42W/abstract (AJ, 162, 42)

Co-Author Publications

An Ancient Brown Dwarf Transiting a Metal-poor Thick-disk Star 2026
 Adams Redai, J., Chandra, V., Yee, S. W., ..., **Woody, Rebecca**, et al.
ui.adsabs.harvard.edu/abs/2026ApJ..1002L..41A/abstract (ApJL, 1002, L41)

All-sky Kinematics of the Distant Halo: The Reflex Response to the LMC 2025
 Chandra, V., Naidu, R. P., Conroy, C., ..., **Woody, Rebecca**, et al.
ui.adsabs.harvard.edu/abs/2025ApJ...988..156C/abstract (ApJ, 988, 156)

Distant Echoes of the Milky Way’s Last Major Merger 2023
 Chandra, V., Naidu, R. P., Conroy, C., ..., **Woody, Rebecca**, et al.
ui.adsabs.harvard.edu/abs/2023ApJ...951...26C/abstract (ApJ, 951, 26)

A Ghost in Boötes: The Least-Luminous Disrupted Dwarf Galaxy 2022
 Chandra, V., Conroy, C., Caldwell, N., ..., **Woody, Rebecca**
ui.adsabs.harvard.edu/abs/2022ApJ...940..127C/abstract (ApJ, 940, 127)

The Stellar Halo of the Galaxy is Tilted and Doubly Broken 2022
 Han, J. J., Conroy, C., Johnson, B. D., ..., **Woody, Rebecca**, et al.
ui.adsabs.harvard.edu/abs/2022AJ....164..249H/abstract (AJ, 164, 249)

A Tilt in the Dark Matter Halo of the Galaxy 2022
 Han, J. J., Naidu, R. P., Conroy, C., ..., **Woody, Rebecca**
ui.adsabs.harvard.edu/abs/2022ApJ...934...14H/abstract (ApJ, 934, 14)