

KAITLIN WEBBER

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EDUCATION

Texas A&M University, College Station, TX 2020 – Present
Third-Year Ph.D. Student, Department of Physics and Astronomy

Arizona State University, Barrett The Honors College, Tempe, Az 2016 – 2020
B.S. in Astrophysics

RESEARCH INTERESTS

Galactic archaeology, abundance analysis of ultra-faint dwarf galaxies and stellar streams

RESEARCH EXPERIENCE

- Graduate Research Assistant; Advisor: Professor Jennifer Marshall; Co-Advisor: Dr. Terese Hansen
 - Abundance analysis of ultra-faint dwarf galaxies and stellar streams
- Undergraduate Research Assistant; Advisor: Professor Rogier Windhorst
 - SKYSURF- analyzing HST data to determine sky surface brightness
- Psyche Mission Capstone Project
 - Member of a team that is designing a sampling system to be used on a rover to take samples from the surface of the Psyche asteroid

TALKS & PRESENTATIONS

- Poster: JINA-CEE Frontiers in Nuclear Astrophysics 23-27 May 2022
- Talk: JINA-CEE Frontiers in Nuclear Astrophysics 23-27 May 2022
- Talk: Russbach School for Nuclear Astrophysics 13-19 March 2022
- Talk: TAMU Astrosymposium 27 August 2021
- Talk: Joint Texas APS, AAPT 8-11 April 2021
- Talk: TAMU Astrosymposium 17 August 2020
- Talk: AoT observing
- Talk: AoT chemical abundances

OUTREACH AND VOLUNTEERING

- Mitchell Institute Star Parties

LEADERSHIP

Nuclear-Astro Seminar

TEACHING EXPERIENCE

Teaching Assistant:

- | | |
|--|-------------------|
| • ASTR 101, 104, 314, 403 | TAMU, Spring 2022 |
| • ASTR 401: Stars and Extrasolar Planets | TAMU, Fall 2021 |
| • PHYS 207: Physics, Electricity and Magnetism | TAMU, Spring 2021 |
| • PHYS 207: Physics, Electricity and Magnetism | TAMU, Fall 2020 |
| • AST 113: Astronomy Lab | ASU, Fall 2019 |

OBSERVING

- | | |
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| • McDonald Observatory 2.1m | 5 nights (10/4/22-10/8/22) |
| • McDonald Observatory 2.7m | 7 nights (4/7/22-4/14/22) |
| • McDonald Observatory 2.7m | 4 nights (9/27/22-10/1/22) |
| • McDonald Observatory 2.7m | 2 nights (9/10/21-9/11/21) |
| • McDonald Observatory 2.1m | 1 night (9/9/21) |

SKILLS

- Python
- MOOG
- IRAF

PUBLICATIONS

AWARDED TELESCOPE TIME

Principal Investigator

- McDonald Observatory- Chemical Characterisation of the GD-1 Stellar Stream, 4 nights

Co-Investigator

- McDonald Observatory- Searching for stellar halos around the Sextans and Ursa Minor dwarf spheroidal galaxies, 3 nights