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# Amelia Greathouse

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## Education

- East Tennessee State University-Johnson City, TN  
*Honors B.S. in Physics 2023*
  - GPA: 3.77
  - Thesis Title: "Development of Back-scatter and Pile-up Identification for UCNA+"
  - Minor in Mathematics
  - Minor in Music
- Kansai Gaikokugo Daigaku-Hirakatashi, Osaka, Japan  
*Semester Abroad Fall 2023*

## Memberships

- American Physical Society (APS)
- Society for Physics Students (SPS)
- Collaboration Member: UCNA+

## Publications

1. "Development of Back-scatter and Pile-up Identification for UCNA+", Amelia Greathouse, <https://dc.etsu.edu/honors/809/> (2023)

## Poster Presentations

1. "Development of Back-scatter and Pile-up Identification for UCNA+", Amelia Greathouse, CUWiP Auburn University (2023)
2. "Development of Back-scatter and Pile-up Identification for UCNA+", Amelia Greathouse, Fall Meeting of APS DNP and JPS (2023)

## Previous Work Experience

- 9/2024 - Present: Teaching Assistant - Physics Fall 2024
- 2/2024 - 7/2024: Instructor at AstroCamp (Idyllwild, CA)
- 5/2023 - 6/2023: Student Researcher at East Tennessee State University (Johnson City, TN)
- 8/2021 - 4/2023: Starbucks Barista (Johnson City, TN)