Yingjie Zhu

(朱英杰)

2134B, Climate & Space Research Building, University of Michigan
2455 Hayward Street, Ann Arbor, MI, 48105
Phone: (+1) 734-881-5486 Email: yjzhu@umich.edu
Website: https://yjzhu-solar.github.io/

EDUCATION

B.S., Peking University, Beijing, China *Sep 2015 - July 2019*
School of Earth and Space Sciences Official Transcripts
Thesis Topic: Radiative Hydrodynamics Modeling of Eruptive Events on the Sun and M Dwarfs

Ph.D. Candidate, University of Michigan, Ann Arbor, MI *Sep 2019 - Present*
Department of Climate and Space Sciences and Engineering

EXPERIENCE

Peking University, Beijing, China *Apr 2017 - July 2019*
Undergraduate Research supervised by Dr. Hui Tian
· Investigation of an S-shape Flare Ribbon with SDO and NVST observations
· Spectroscopic Diagnostics of IRIS data

National Solar Observatory, Boulder, CO *July 2018 - Sep 2018*
Summer Research supervised by Dr. Adam F. Kowalski
· Radiative Hydrodynamics Modeling of Mg II Lines at Solar Flare Ribbons

Univerisity of Michigan, Ann Arbor, MI *Sep 2019 - Present*
Advisor: Dr. Enrico Landi
· Spectral Line Widths at Polar Off-limb Corona Observed by Hinode/EIS

PUBLICATIONS

Yingjie Zhu, Judit Szente, Enrico Landi, "Fe XII and Fe XIII Line Widths in the Polar Off-limb Solar Corona up to 1.5 Solar Radii", 2021, ApJ, 913, 74

Yingjie Zhu, Adam F. Kowalski, Hui Tian, Han Uitenbroek *et al.* "Modeling Mg II h, k and Triplet Lines at Solar Flare Ribbons", 2019, ApJ, 879, 19.

ACADEMIC AWARD

Outstanding Student Poster Award, 2nd China-Europe Solar Physics Meeting *2019*
May 4th Scholarship, PKU *2016,2017*
Merit Student, PKU *2016,2018*
Award for Academic Excellents, PKU *2017*
Wong lo Kat Scholarship, PKU *2018*
Excellent Graduate, PKU *2019*

ACADEMIC ACTIVITIES

Posters
· *"Fe XII and Fe XIII Line Widths in the Polar Off-limb Solar Corona up to 1.5 Solar Radii"*, AGU Fall Meeting 2020 *Dec 2020*

· *"Modeling Mg* II *h, k and Triplet Lines at Solar Flare Ribbons"*, The 2nd China-Europe Solar Physics Meeting *May 2019*

· *"An S-shape Flare Ribbon Observed by NVST and SDO/AIA"*, The 4th Chinese Space Weather Conference *Aug 2017*

Talks

· *"Modeling Mg* II *h, k and Triplet Lines at Solar Flare Ribbons"*, ISSI/ISSI-BJ International Team Workshop: Diagnosing Heating Mechanism in Solar Flares Through Spectroscopic Observations of Flare Ribbons *Oct 2018*

· *"An S-shape Flare Ribbon Observed by NVST and SDO/AIA"*, The 2017 Annual Meeting of Chinese Geoscience Union (CGU) *Oct 2017*

GRADUATE COURSES

Fall 2019: Advanced Fluid Dynamics, Advanced Space Instrumental Lab, Space Physics; **Winter 2020**: Modern Astronomical Techniques, Radiative Transfer, Space Weather Modeling; **Fall 2020**: Computational Fluid Dynamics I, Space Plasma Physics, Advanced Quantum Mechanics I; **Winter 2021** Advanced Quantum Mechanics II, Space Instrumentation, COLLAGE 2021: Solar Spectral Line Diagnostics (NSO/CU)