
Colorado State University – 3915 Laporte Ave – Fort Collins, CO 80521 – mafern@colostate.edu
 Website: <https://mafern.github.io/>

2023- Postdoctoral Fellow Department of Atmospheric Science,
Colorado State University

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| NSF GRFP (Graduate Research Fellowship Program) | 2019 – 2022 |
| UCR Chancellor’s Distinguished Fellowship | 2017 |
| WWU Alumni Association Leader Scholarship | 2016 |

OUTREACH

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| Advisor/mentor for high school student | 2018 – 2020 |
| <i>Currently at Stanford studying computer science.</i> | |
| UCR Physics Organization for Women and the UnderRepresented | 2018 – 2020 |
| <i>Served as treasurer for 2019.</i> | |
| WWU Public Night Sky Observing host | 2015 – 2017 |
| WWU Women in Physics | 2015 – 2017 |
| <i>Volunteer/Organizer for outreach events, including: GEMS Fair (2016, 2017), GEMS Academy (2017), Compass2Campus (2015, 2016), Scouting for Science (2016, 2017), March for Science (2017), Mix it Up (2015, 2016).</i> | |

FIRST AUTHOR PUBLICATIONS

- Fernandez, M. A., Ho M.-F., and Bird, S., *A Multi-fidelity Emulator for the Lyman- α Forest Flux Power Spectrum*, **MNRAS** **517**, **3200**. [arXiv: 2207.06445](#).
- Fernandez, M. A., Bird, S., and Upton Sanderbeck, P. 2021, *Effect of separate initial conditions on the Lyman- α forest in simulations*, **MNRAS** **503**, **1668**. [arXiv: 2009.09119](#).
- Fernandez, M. A., Bird, S., and Cui, Y. 2020, *Cosmic Filaments from Cosmic Strings*, **Phys. Rev. D** **102.043509**. [arXiv: 2004.13752](#).
- Fernandez, M. A., Covey, K. R., De Lee, N., et al. 2017, *Identification and Radial Velocity Extraction for 100+ Double-Lined Spectroscopic Binaries in the APOGEE/IN-SYNC Fields*, **PASP** **129.084201**. [arXiv: 1706.01161](#).