SULI Computational Workshop

Nick Murphy[1] & Peter Heuer[2] (on behalf of the PlasmaPy Community)

[1]Center for Astrophysics | Harvard & Smithsonian, [2]University of Rochester

My background

- Graduate school in astronomy (University of Wisconsin)
  - Simulated reconnection in a laboratory astrophysics experiment

- Postdoc and researcher since 2009 (Center for Astrophysics)
  - Simulated magnetic reconnection in the solar atmosphere

- Last 5.2 ± 0.7 (3σ) years
  - Contributing to PlasmaPy
  - Advocating for open plasma science

- Hobbies
  - Singing songs about metadata standardization 🥳 😫 😱 😐
  - Learning to play late 1980s video game music on the piano
  - Telling puns about computational magnetohydrodynamics

Mission

*To grow an open source **software ecosystem** for plasma research & education*

https://www.plasmapy.org

Many ways to be part of the community!

- Come to PlasmaPy's...
  - [Community meetings](#) (Tuesdays at 2 pm ET)
  - [Office hours](#) (Thursdays at 3 pm ET)

- Join our [Element](#) chat

- [Request new features](#) on GitHub

- As an open source project, all are welcome to [contribute](#)!

Running notebooks in Google Colab

- Go to SULI intro course website at:

    https://suli.pppl.gov/2023/course/

- Go to schedule for today (Thursday, June 8)

- Click on link to open notebook in web browser with one of:

    - Notebook #1 (with me)

    - Notebook #2 (with Peter)