



plasma`py`



Computational workshop

Nick Murphy¹ & Erik Everson² (on behalf of the PlasmaPy Community)

¹Center for Astrophysics | Harvard & Smithsonian, ²UCLA

We acknowledge support from:



astropy-powered
astropy.org

python
powered

My background

- Graduate school in astronomy (University of Wisconsin)
 - Simulated reconnection in a laboratory astrophysics experiment
- Postdoc and researcher (Center for Astrophysics)
 - Studied coronal mass ejections and reconnection
- Last 4.2 ± 0.7 (3σ) years
 - Contributing to PlasmaPy
 - Advocating for open & reproducible plasma science
- Pandemic era hobbies
 - Singing songs about metadata standardization 🎉😞😱😐
 - Learning to play late 1980s video game music on the piano
 - Telling puns about computational magnetohydrodynamics

What is PlasmaPy?



plasmaPy

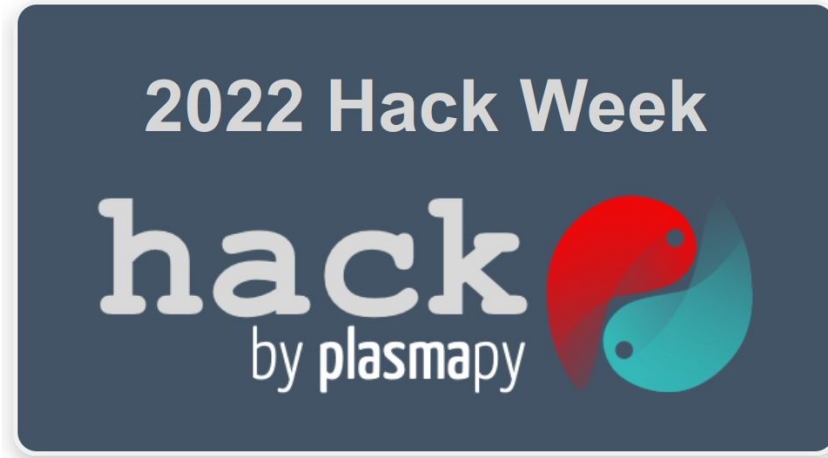
Mission

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

Many ways to be part of the community

- Come to PlasmaPy's...
 - [Community meeting](#)
 - [Office hours](#)
- Join our [Element](#) chat
- [Request new features](#) on GitHub
- [Contribute!](#)
- Organize/participate in community events like [Plasma Hack Week](#)

Plasma Hack Week to be held virtually on July 11–15



- Mix of a summer school and a hackathon
- Tutorials on research software engineering
- Learning how to contribute to an open source project

Running notebook from web browser

- Go to SULI intro course website at:
<https://suli.pppl.gov/2022/course/>
- Go to schedule for today (Thursday, June 23)
- Click on link to open notebook in web browser with one of:
 - [Google Colab](#) (requires account)
 - [Binder](#) (times out after 10 minutes of inactivity)