

- Plasma physics and heliophysics are closely related
- The data & software environment for heliophysics needs plasma physics functionality
- **PlasmaPy** is an open source Python package for plasma research and education
 - Currently under active development
 - Long-term goal: a software ecosystem for plasma science

- **Open metadata standards**

- Few data schemas exist for laboratory plasma science
- Harder to develop shared analysis tools
- Laboratory plasma scientists could emulate IHDEA

- **Foster interoperability**

- Heliospheric processes are studied in the laboratory
- Enable cross-disciplinary studies with shared standards & tools
- Beneficial for both fields