

PlasmaPy: An open source Python package for plasma research and education

mercredi 21 octobre 2020 14:27 (3 minutes)

The mission of the PlasmaPy project is to foster the creation of an open source software ecosystem for plasma research and education. The PlasmaPy package contains the core functionality needed by most plasma scientists, while community-developed affiliated packages will contain more specialized functionality. Because plasma science is vital to much of heliophysics and astronomy, PlasmaPy is being developed to be interoperable with Astropy while in communication with the Python in Heliophysics Community. PlasmaPy is being developed to include commonly used plasma formulae, object-oriented representations of particles, base classes for plasma simulations, and tools for plasma diagnostics and analysis.

Open access

I authorise the IHDEA to openly distribute my presentation material.

Abstract

I accept that the content of my abstract is present in the book of abstracts.

Online Material

I give my consent to share my material with the conference participants.

Auteurs principaux: MURPHY, Nicholas (Center for Astrophysics | Harvard & Smithsonian); STAŃCZAK, D. (IPPLM); E., Everson (UCLA); BECKERS, J.; BRYANT, K.; FORDIN, S.; HEUER, P.; KHAN, F.; KOZŁOWSKI, P.; LANGENDORF, S.; LEONARD, A.; MALHOTRA, R.; MARUCA, B.; MUMFORD, S.; PARASHAR, T.; SCHAFFNER, D.; STANSBY, D.; TAMBOLI, F.; QUDSI, R.; VARNISH, T.; VINCENA, S.

Orateur: MURPHY, Nicholas (Center for Astrophysics | Harvard & Smithsonian)

Classification de Session: Tools & Software