

# PlasmaPy video conference agenda and minutes

## Tuesday 2018 June 19 at 16:00 UT

### Video Conference Information

[Jitsi video conference link](#)

Instant messaging: [Matrix](#) and [Gitter](#)

[PlasmaPy google directory](#) ([minutes/agendas](#), [documents](#))

[PlasmaPy on GitHub](#) ([pull request](#), [issues](#))

[PlasmaPy Enhancement Proposals on GitHub](#)

### Agenda (feel free to edit or add items!)

1. Introductions (if anyone is new)
2. Issues
  - a. [Dispersion Relation Solver](#) (NHDS/NHDSPy)
  - b. [Code coverage tests](#)
3. Pull requests in progress
  - a. [OpenPMD HDF5Reader Plasma Subclass](#)
4. <https://github.com/PlasmaPy/PlasmaPy-PLEPs/issues/13>

### Minutes

- From Matrix: “Yea, Dominik Stańczak mentioned to talk about how we are going to expose `electric_field` in #500. Would it be a better idea to have `HDF5Reader.electric_field` as an array of all 3 dimensions (x, y, z) or separate attribute for each dimension like `HDF5Reader.electric_field.x` and so on? (the second way is how it works at the moment)”
- <https://github.com/PlasmaPy/PlasmaPy/issues/476>
- <https://github.com/PlasmaPy/PlasmaPy/pull/502/files>
- Report coverage issue to astropy?
- Dispersion relation solver
  - NHDS is Fortran, and incorporating Fortran would make the code less maintainable in the long term
  - A full dispersion relation solver will require a huge amount of effort, so would need someone to work on this full time for a while
    - Next gsoc? :D
  - License issue: NHDS is GPLv3
  - Tulasi will ask Daniel about licensing issue

- Short-term solution seems to be to create an affiliated package (that can be GPLv3), and this can be possibly a new (optional?) dependency to PlasmaPy