Notes for padf\_0.1 planning

Parameters:

Divide in common parameters and parameters specific to different parts of the code.

From the main code, we want to:

* Set up an instance of the main structure
* read in the parameters from the file or the command line (it would be great to have a system that resolves conflicts between the two - probably that command line overwrites the file config)
* According to different flags, we perform different operations

From the main padfpy package:

* Instance of the all\_params and read in
* Instances of specific modules & copy params to modules (check the inheritance; how to change params in code...)

All\_params module:

* Have an instance of all common variables and all module specific variables that can be overwritten
* Routine to read and write all variables

Specific modules:

* Diffraction
* Correlation (including background correlation)
* Padf
* Plotting
* test