BLonD code clean-up 2017-03-03

1. Test cases: use import blond and then call functions as e.g. impedances.induced_voltage so that new users see where functions come from
2. Compilation on different platforms is different; to be checked
3. General_parameters and rf_parameters: Helga
    a. call to preprocess (keep in separate file). Rename to interpolate_momentum, interpolate_voltage etc.
    b. Be able to input momentum/kinetic energy etc.
    c. Document convention for RF phase
    d. E_increment to general parameters
    e. Calc_phi_s move to utilities; call in RF parameters single-RF one
4. General_parameters: how to group optional inputs? Can we use functions to define different options? Simon: show example in the next meeting. Several particle types could be useful for multiple charge states.
5. General practice: define in __init__ the type of the variable self.n_sections = int(number_of_sections)
6. Unittests!! General practice to run them before
   With **VERBOSITY**
    a. Helga & Simon: general params, rf params, checks for inputs
    b. Alex & Danilo: impedance & distributions
    c. Joël: beam & distributions
7. Keep documenting
8. Keep the code compatible with python 2 & 3
9. Numerical methods in toolbox e.g. for interpolation schemes
10. RF_kick_interp: will need clean-up!