

script in <b>CsCI/</b>	Explanation	# Plots
<b>AutoCCA_84-run_v5.py</b>	Calculate the Auto-Correlations with 'Loki' and plot, including the mean intensity pattern, Fourier-coefficients, detector masks AC, subplot of; mean intensity patter, detector mask's AC and AC of polar images. Data loaded from CXI-file.	-plot 'single' : 17 -plot 'subplot' : 1 -plot 'all' : 18
<b>CCA_RadProf_84-run_v2.py</b>	Calculate the Radial Profile, from CXI-file, with 'Loki' and the Auto-Correlation. Plot the result including some of the diffraction patterns.	subplots : 2
<b>CrossCA_84-run_v7.py</b>	Calculate and plot the Cross-Correlations from CXI-file. Plots of Fourier Coefficients for selected q <sub>2</sub> values (from command line) and CC of detector mask and cos(ψ) with ψ as the reciprocal space angle.	5
<b>fix_all_pdb_for_condor.py</b>	Add the missing columns 77-78 in the PDB-files. Condor requires these columns.	
<b>Plot_diffraction.py</b>	Plots 3 diffraction patterns from CXI-file.	subplot : 1
<b>RadProf_84-run_v2.py</b>	Load one CXI-file and calculate the Radial profile. plot together with with the mean intensity pattern. There are multiple options for the subplots, e.g. 2 radial profile plots; one of the second half of the profile and one of the entire profile.	subplot : 1
<b>run-CsCI-w-condor-in-terminal.py</b>	Python script for Command Line Arguments to pass to 'simulate_CsCI_84-X.py'	
<b>simulate_CsCI_84-X.py</b>	Simulate diffraction experiment with Condor .	
<b>test_gnoise_asics.py</b>	Load the detector mask and then locate the ASICs or Tiles. Generate normal distributed noise per ASIC (or Tile) and plot.	subplot : 1
<b>run_2loop_loki_slurm.sh</b>	Slurm script for the Davinci-cluster: runs <b>AutoCCA_84-run_v5.py</b> or <b>CrossCA_84-run_v7.py</b> for each CXI file in designated folder. Runs all calculation in parallel, one job for each CXI-file. After no more jobs are queued, runs the plot version of the script which reads all the separate calculations (stored in HDF5-files), sum and plot the result.	
<b>run_CCA_slurm.sh</b>	Slurm script for the Davinci-cluster: runs <b>RadProf_84-run_v2.py</b>	
<b>run_sim_slurm_new.sh</b>	Slurm script for the Davinci-cluster: runs the Condor simulation script, <b>simulate_CsCI_84-X.py</b> , for each PDB-file in designated folder (in parallel).	
<b>run_plot_diff_slurm.sh</b>	Slurm script for the Davinci-cluster: runs <b>Plot_diffraction.py</b>	
script in <b>CsCI/test_result</b>		
<b>CCA_cxi_84-X_v3.py</b>	Load a CXI-file. Plot some the diffraction patterns in a subplot (intensity, amplitude and pattern), calculate CCA with 'Loki' or 'CXILT14' and plot the results. Option to make one quadrant noisy (3 options /implementations of noise).	1-14
<b>run_CCA_84_script.py</b>	Python script for Command Line Arguments to pass to 'CCA_cxi_84-X_v3.py'.	
<b>read_CXI_84-119_v3.py</b>	Load a CXI-file and plot. Several plotting options.	6