script in **CsCl/**	Explanation	# Plots
AutoCCA_84-run_v5.py	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
CCA_RadProf_84-run_v2.py	Calculate the Radial Profile, from CXI-file, with 'Loki' and the Auto-Correlation. Plot the result including som e of the diffraction patterns.	subplots : 2
CrossCA_84-run_v7.py	Calculate and plot the Cross-Correlations from CXI-file. Plots of Fourier Coefficients for selected q_2 values (from command line) and CC of detector mask and cos(psi) with psi as the reciprocal space angle.	5
fix_all_pdb_for_condor.py	Add the missing columns 77-78 in the PDB-files. Condor requires these columns.	
Plot_diffraction.py	Plots 3 diffraction patterns from CXI-file.	subplot : 1
RadProf_84-run_v2.py	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
run-CsCl-w-condor-in-terminal.py	Python script for Command Line Arguments to pass to 'simulate_CsCl_84-X.py'	
simulate_CsCl_84-X.py	Simulate diffraction experiment with Condor	
test_gnoise_asics.py	Load the detector mask and then locate the ASICs or Tiles. Generate normal distributed noise per ASIC (or Tile) and plot.	subplot : 1
run_2loop_loki_slurm.sh	Slurm script for the Davinci-cluster: runs **AutoCCA_84-run_v5.py** or **CrossCA_84-run_v7.py** 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 (storesd in HDF5-files), sum and plot the result	
run_CCA_slurm.sh	Slurm script for the Davinci-cluster: runs **RadProf_84-run_v2.py**	
run_sim_slurm_new.sh	Slurm script for the Davinci-cluster: runs the Condor simulation script, **simulate_CsCl_84-X.py**, for each PDB-file in designated folder (in parallell)	
run_plot_diff_slurm.sh	Slurm script for the Davinci-cluster: runs **Plot_diffraction.py**	