

Task 1: Majority of image filters

3 image filter codes developers: L. Staykov (inherited by A. Shapovalov), G. Asova and Ye. Ivanisenko (inherited by?)

Different frameworks used (Qt, ROOT, C++, C)

⇒ Unify to C++

Different availability (dll, part of some program)

⇒ Combine all to one .dll (.so)

Different I/O data structure

⇒ Unify

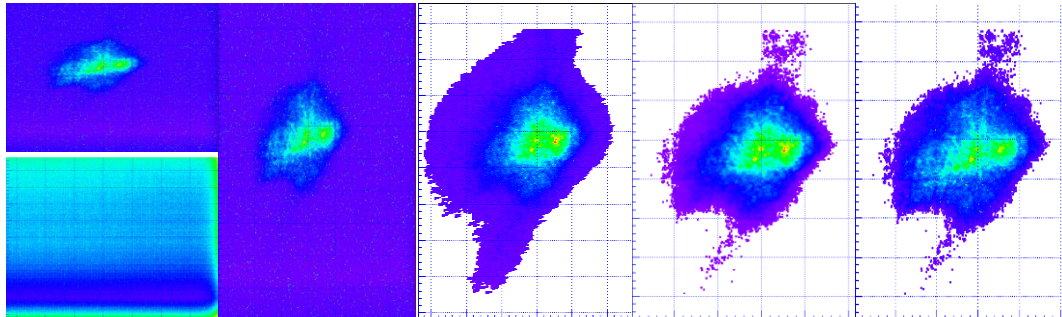
Used algorithms reconstruction

⇒ Create block schemes, visual aids

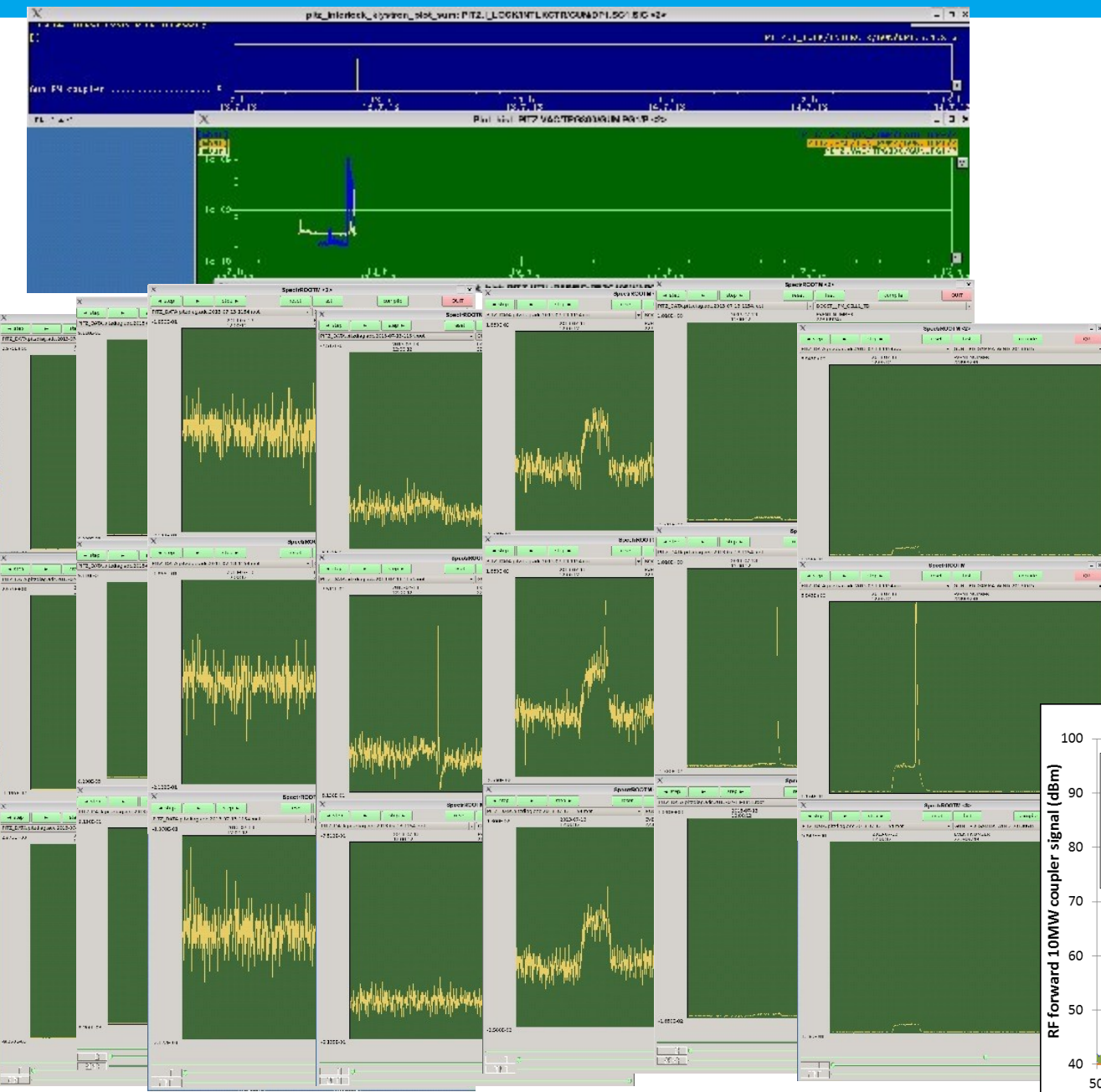
Single shot and statistics filters

⇒ Sorting

Reliability check



Task 2: Lili=Last Interlock Investigator



Develop the tool to analyze the last (gun) interlock → create a report for the logbook:

- Find the IL event number EvN0
- Scalar data (vacuum readouts, rf power measurements, temperatures) around the IL event
- RF signals (spectra) around the IL event at the same plot
- Diagnostic signals (spectra) around the IL event at the same plot
- Possibility to correlate the spectra signals (e.g. RF to diagnostics)

