Hutch Standard Configuration Projects

2016-11-14 mtg cpo & sxr/amo scientists minutes O'Grady, Paul Christopher comments after the meeting with amo/sxr people Mon 11/14/2016 11:49 AM To:Dubrovin, Mikhail; delay-line detector (hex and square) (currently use third-party cobold software and acqiris at the same time). can typically tolerate about 5 simultaneous hits (timur). get multiple momentum-spheres moving through plane of detector, and that gives the x/y blobs. also work with dipanwita on this. amo laser spatial/temporal overlap: requested by gessner looks for changes in N2 acgiris spectrum needs to run in real-time (i.e. shared memory) future possibility from dipanwita: amo VMI electron analysis (angular integration of opal camera over angular region) formal timetool calibration ideally would feedback into ami or real-time psana sxr diode non-linearity correction (giorgi) also a normalization from GMD or something else (talk to Dan Higley) look at correlations between multiple detectors (mean vs. scan) (Alex) perhaps related to non-linearity above nice to generalize (works for GMD, MCP I0, Andor, Acqiris)

References

- Experiment monitoring tool
- Quad- and hex- anode detector monitoring software
 - Hexanode detector library test
 - Hexanode detector test on data
 - Hexanode users' examples
 - Quad-anode test on real data
 - Waveform processing and peakfinder