Recommendations for Easing Injector Set Up

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1. Landmarks on chopper viewer
   1. Circle
   2. Centers of slit locations
2. Replace ITV0R05 with a CW capable screen
3. Continue to improve bunchlength optimization system
   1. Upgrade hardware (CAMAC)
   2. Improve error processing in software interface and algorithms
4. Beam loss detection diagnostics along beamline to identify beam scraping locations
   1. Diagnostic BLMs
   2. Radiation monitors
   3. Interception on apertures (Wien dipoles and RF elements)
5. Improve quality of Wien quads
6. Make 1D and 2D dump lines energy measurement capable
   1. Measure 1D dipole field map
   2. Reinstall/reactivate and fiducialize 1D harp
   3. Add 2 quads to 2D line (if necessary)
7. Calibrate chicane dipoles
8. Make beam destination monitor reliably operational
   1. Name change to reflect its purpose
   2. Add hardware to checklists (is often turned OFF and not restored for beam running)