**MML Setup at NSLS-II**

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*Done*

* Basic MML family setup
* AT model
* Channel names
* Quad center test
* GUI tests: plotfamily, mmlviewer, viewfamily, machineconfig, etc.
* Basic conversions from hardware to physics (model) units

*To Do*

* Orbit correction
* Optics tuning GUI
* Emittance measurement software
* Expand families as needed
* Test PV on the model server and real accelerator

**Storage Ring**

*Done*

* Basic MML family setup
* AT model
* Channel name guess
* Tunes – meastunerespmat, settune, steptune
* Chromaticity - measchrorespmat, measchro, stepchro
* Dispersion measurement - measdisp
* Quad center test - quadcenter
* LOCO software test – measlocodata, buildlocoinput, buildlocofitparameter
* GUI tests: plotfamily, mmlviewer, viewfamily, machineconfig, etc.
* Basic conversions from hardware to physics (model) units

*To Do*

* Orbit correction setup
* Channel names (basic guess was made, “machineconfig(‘golden’)” is one way to view PVs)
* Quad center parameter optimization (delta quad, delta corrector, etc.)
* LOCO fit with errors and setlocodata
* Expand families as needed
* More accurate gains for hardware to physics units conversion
* Test PV on the model server

*General To Do*

* Linac
* BTS
* Dump lines