APS April 2018

Magneto-transport data

List of plots to produce:

Loops at room T

* Loops at various current for a given configuration
* Loops in different configurations for a given current
* Loops at different angles (theta) for a give current/configuration
* Sextupole configuration: study as a function of the sample theta

Loops at low T after FC

* Loops at various current for a given configuration
* Loops in different configurations for a given current
* Loops at different angles (theta) for a give current/configuration
* The effect of illumination: map as a function of Y and Z
* The effect of illumination: before, during and after illumination
* The effect of illumination: plot loops vs light intensity I0 (detuning study)
* Sextupole configuration: study as a function of the sample theta

Temperature Comparison

* Loops at room T, vs loops at low T after FC