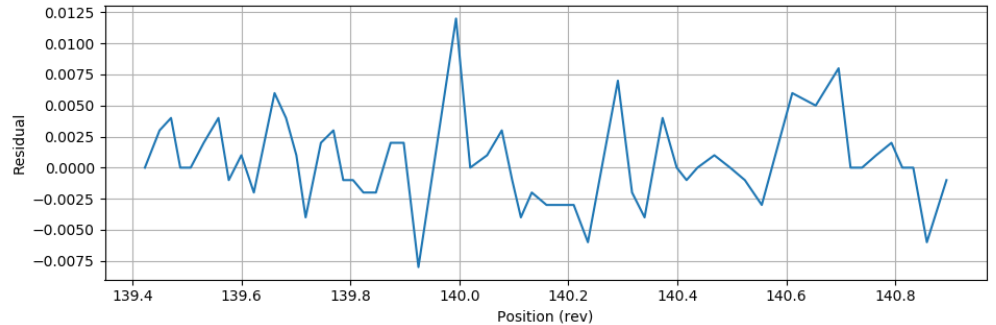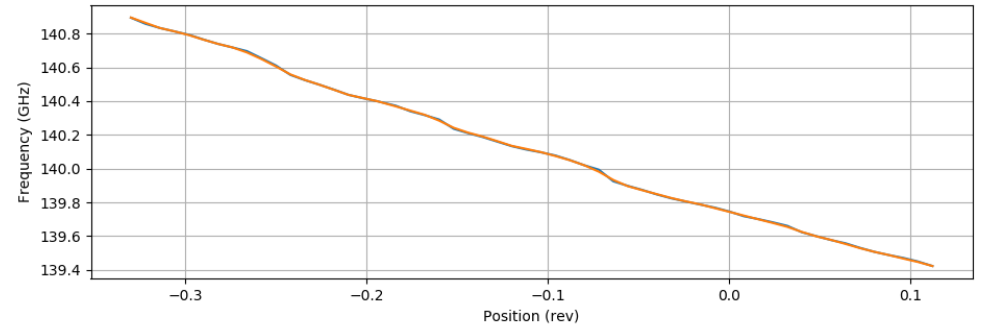# Group Meeting : Cooldown Edition

Objectives

- Configuration/bug testing of EIO linear motor libraries and software.
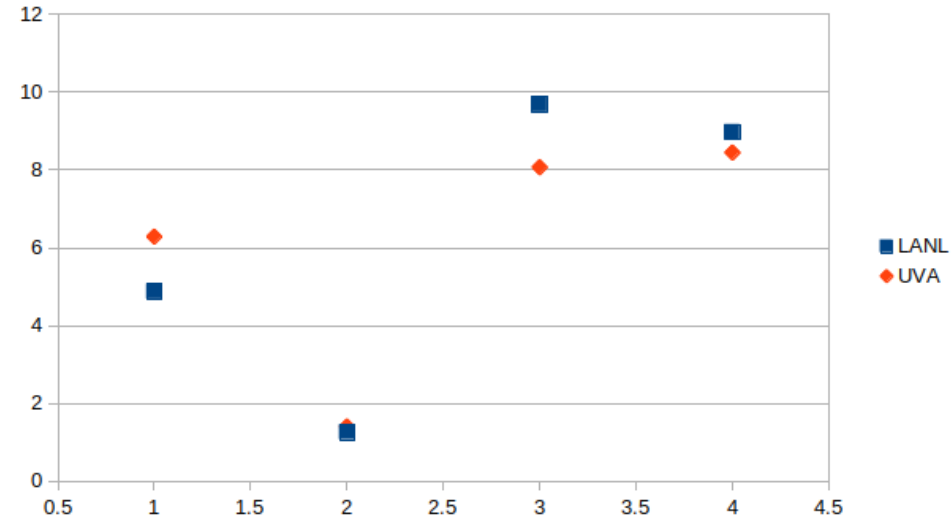
- Comparison of warm NMR and PDP NMR data.

Linear Motor Test

- No issues found with motor logging

- Motor position tracking working; compares nicely to annual readout.

- Currently not connected to motor control automated mode – this will take a bit of work to add.

- Add direct read-back from frequency monitor and use to auto calibrate motor position map file.

NMR Comparison

- A large amount of data taken by Misha – need time to process

- At first glance the ratios track together so it is encouraging.

- Background subtraction is painful since background measurements can't be taken with crystal.

- The average file we were given to use apparently is useless?

- Formats between NMRs are terribly mismatched.

- A more exhaustive analysis requires data quality checks, a careful background subtraction, working out a sensible automation algorithm, and errors on data points.
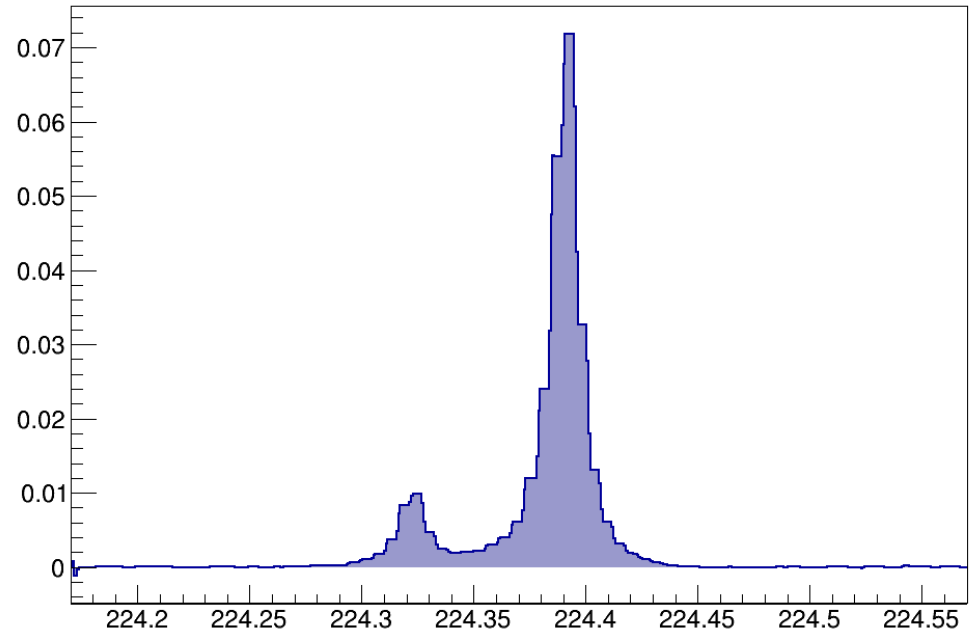
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