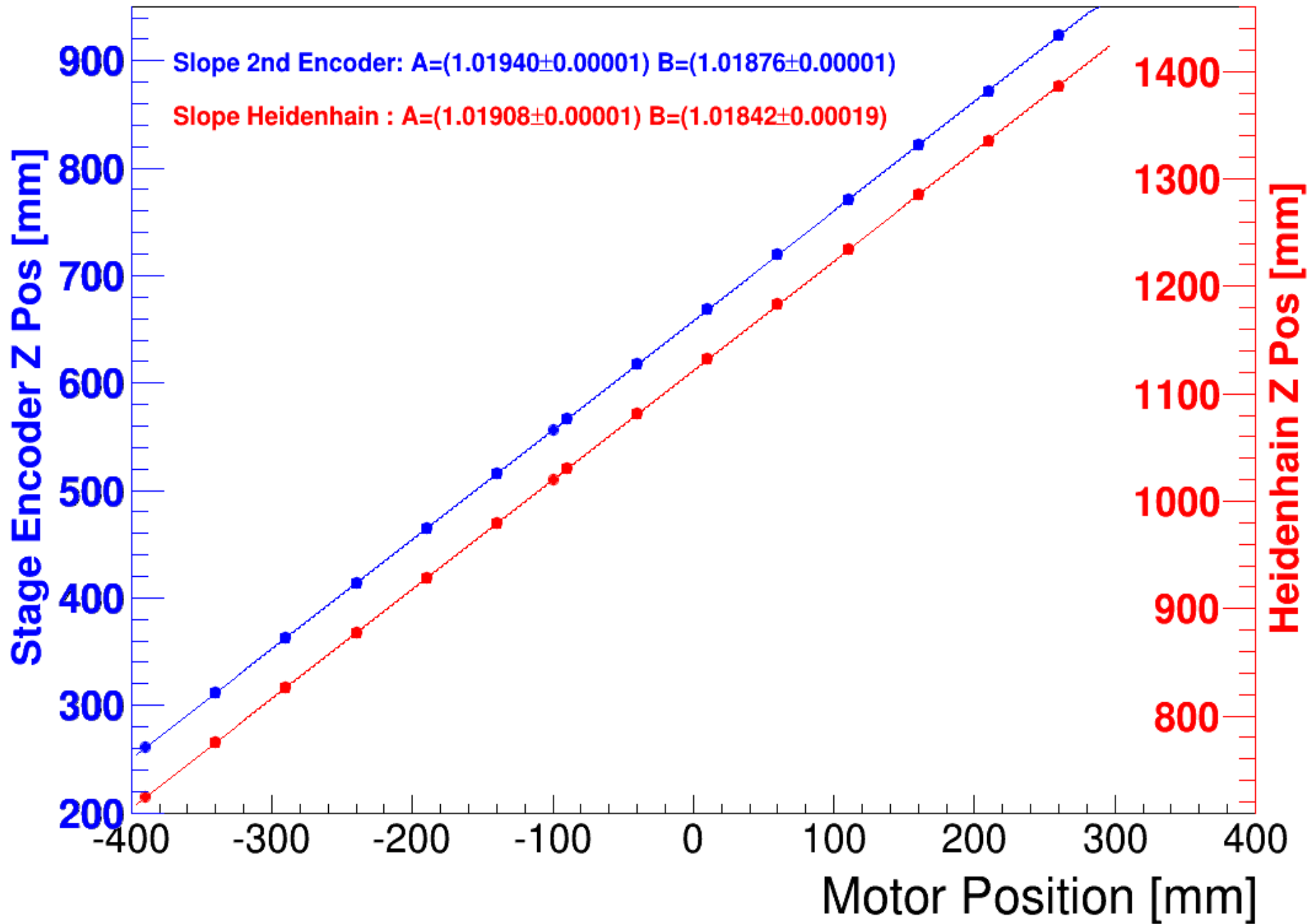


- Measurement:
 - Ramp up to 1T (441A), down in 50A steps
 - Up again in 100A steps (last to 441A)
- Value at PSU current settings from manual for 1T: 1.022 T
- Position of central Hall probe: $\pm 5\text{mm}$
- Estimated measurement errors:
 - I coil $\pm 0.1\text{ A}$
 - B center $\pm 0.0002\text{ T}$
 - Hallprobes ± 0.005
- B Field Stability vs Table Movement (rough, only a few points checked):
 - Horizontal: $\leq \pm 0.0002\text{ T}$ (min-max = 1.02212 - 1.02236 T)
 - Rotation: $\leq \pm 0.0002\text{ T}$ (min-max = 1.02212 - 1.02242 T)
- Idea: include “PSU current calculator” with input being the desired B-field in DOOCS PCMAG panel



- Only one measurement run (more statistics needed?):
 - Moving in one direction and back → 2 curves (lines) for each encoder
- Calibration offset about 2% → direct impact on drift velocity results
- Calibration for other axis (vertical, rotation) not measured yet
- Position precision (reproducibility):
 - Analysis not ready yet
(also some more measurement runs for vertical/rotation to be done)
 - Precision so far seems to be better than expected, i.e. $< 0.2\text{mm}$
(influence of movement in one axis on other axis larger → will be presented in a future meeting)
 - Results will be presented in a future WP meeting
- “Ghost” movement under B-field: forces are being checked to develop a braking system