

The background is a dark blue gradient with a subtle pattern of white dots. On the left side, there are several concentric circles and a large circular scale with degree markings from 140 to 260. Some circles have arrows indicating a clockwise direction. The main title is centered on the right side in a large, white, sans-serif font.

NPS SWEEP MAGNET STATUS AND TEST PLAN

CHARLES HYDE

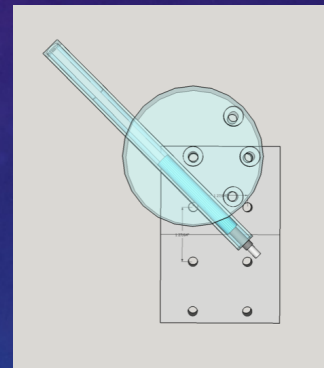
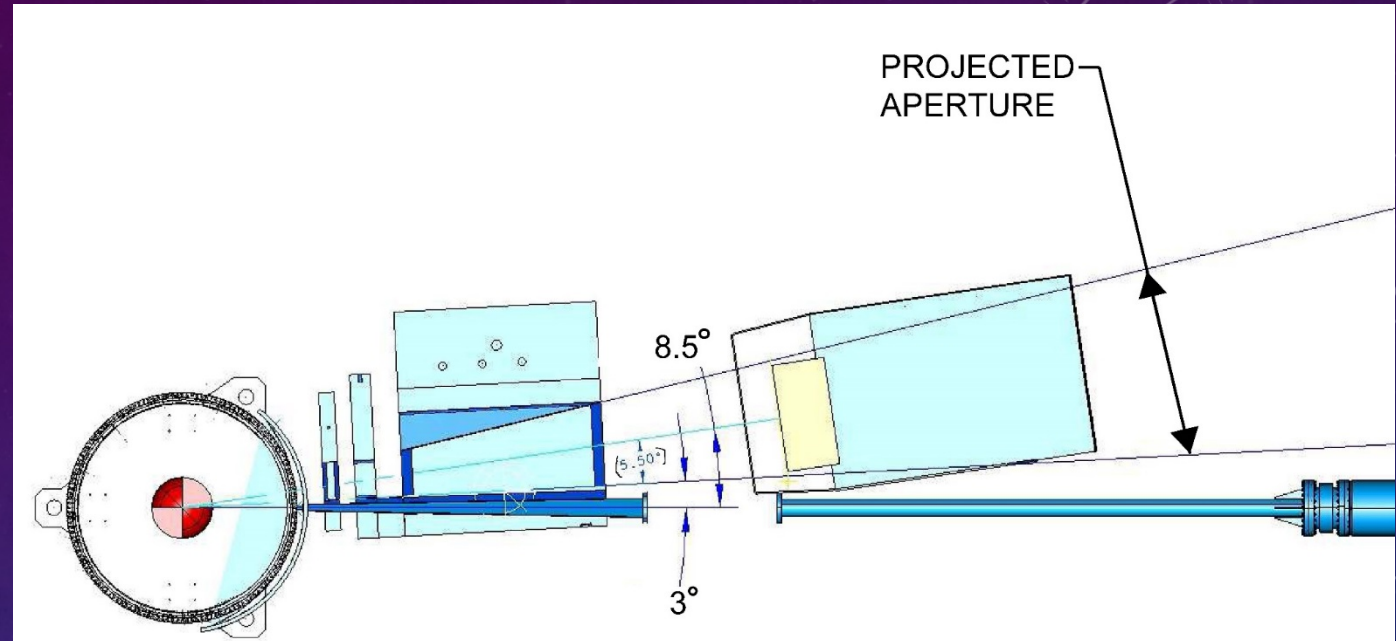
MAGNET ASSEMBLY

- Magnet in TESTLAB
 - Power : 10% of max, limited by cooling
- Mapper constructed and tested with software controls

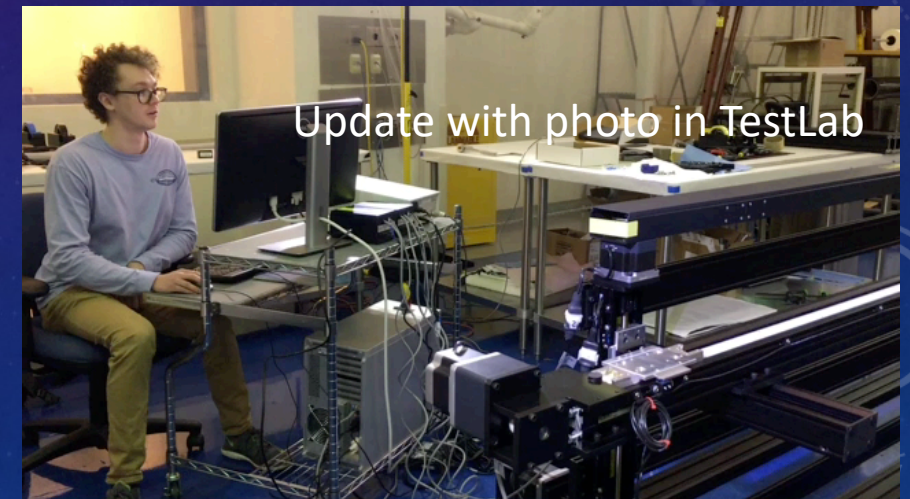


MAGNET TESTING: PHASE I. IN TESTLAB

- OSP in progress
- Current limited to 200 Amp
- Mapper program to measure three-axis field components in 1 cm intervals in 3-D
 - Main Gap + fringe region. 2 meters total in z
 - Beam gap, midplane ± 0.5 cm vertical
- Complete in May 2020



Hall-probe holder
for full access to
minimum gap
region



MAGNET TESTING: PHASE II. HALL C, ON FLOOR

- OSP in TBD
- Full Current
 - Needed for reliable measurement of fringe field in beam gap
- Mapper program to measure three-axis field components in 1 cm intervals in 3-D
 - Main Gap + fringe region. 2 meters total in z
 - Beam gap, midplane +/- 0.5 cm vertical