Status of the 8” vacuum deposition system at Fermilab

Eileen Hahn, G. Sellberg, E. Ramberg, P. Murat, Fermilab

January 10, 2012
Status, as of this week

- System fully installed, the motor calibrated at rotation speeds of 6, 10, 15, 30 rpm.
- 3 test coatings performed, all on the same glass substrate
  - 2 boats, nominal nichrome load in each
  - 1 boat, nominal load
  - 1 boat, double load
- The coating looks uniform enough
- As measured, the thickness is lower: about 200-300Å instead of 1500Å
- Need more test coatings to achieve required thickness