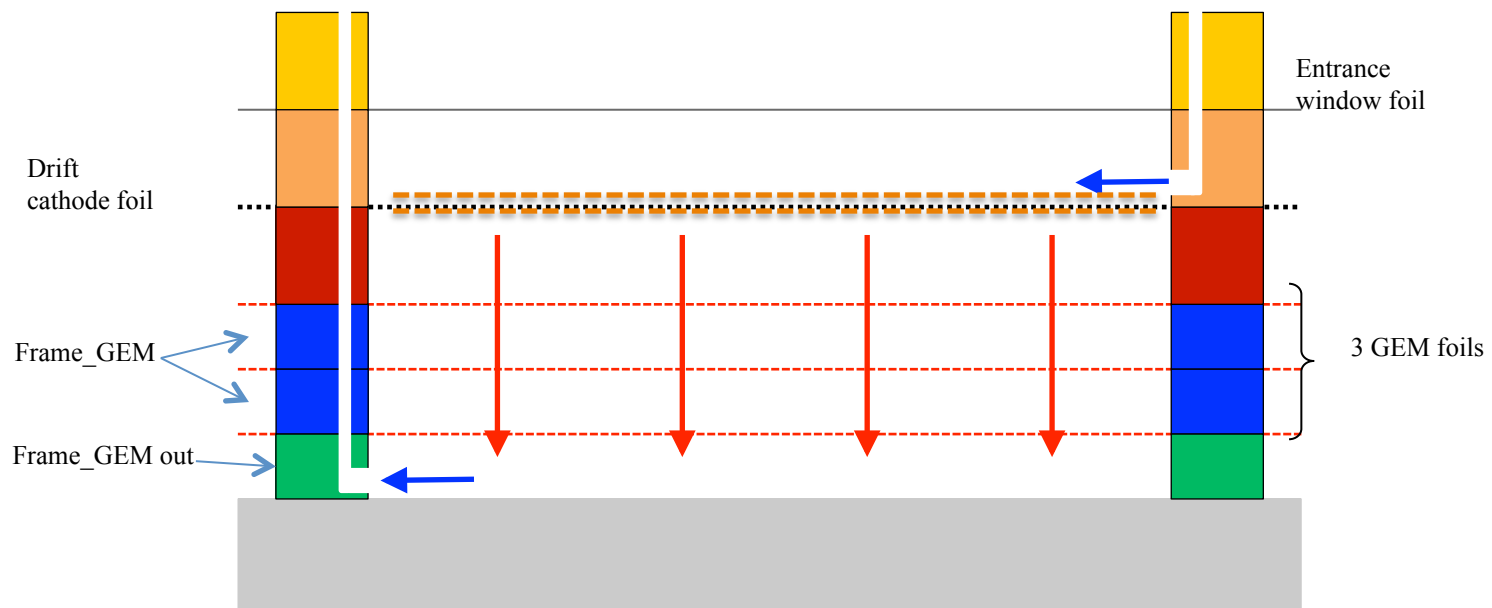
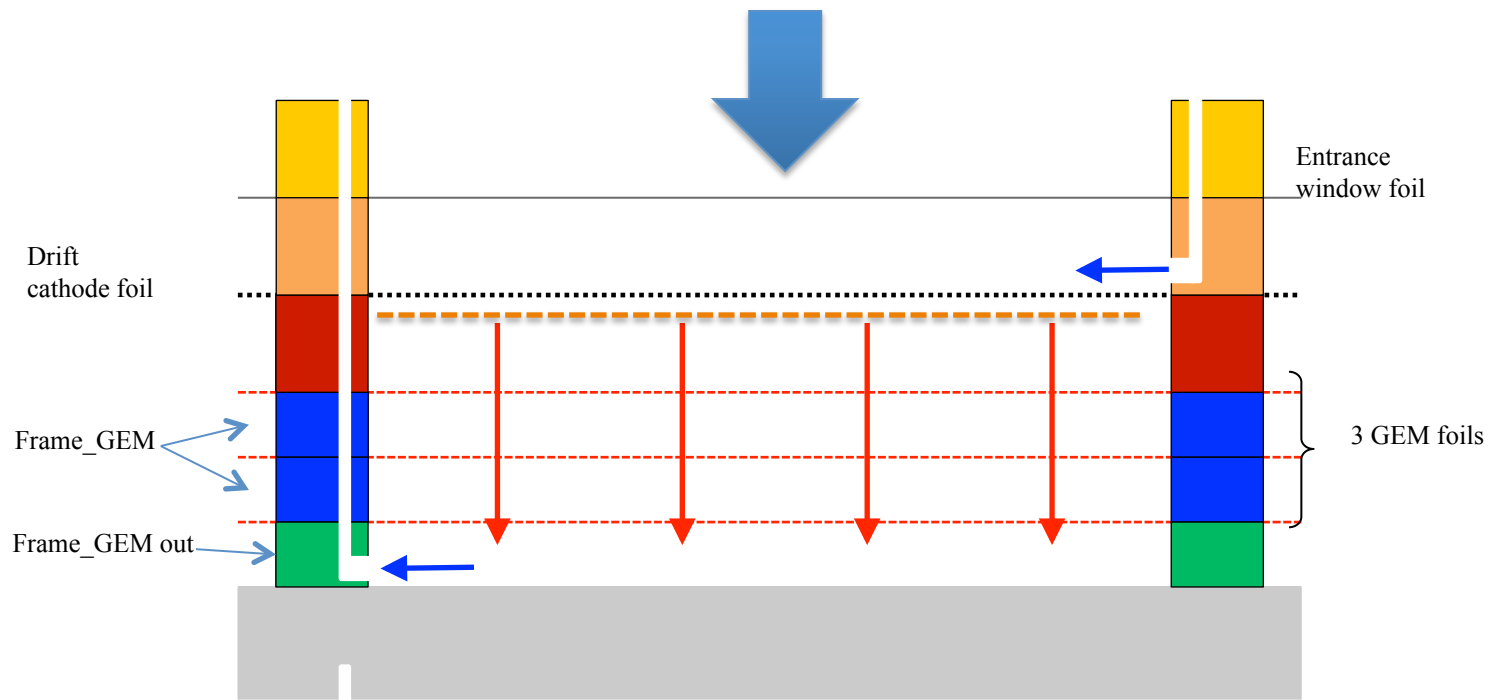


UVa GEM update: 04/15/2015

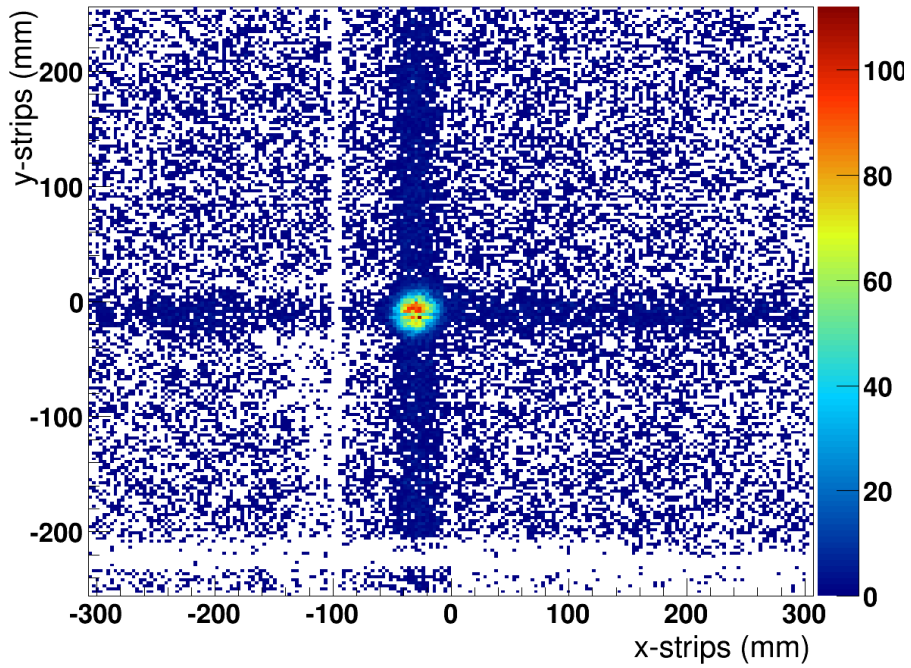
Status

- Module #11 completed, being tested now.
- Module #12 will be completed in a week or so.
 - So far we have 11 working chambers.
- Back to producing 2 modules a month.
- Technician (Andrew) leaving in June: going to grad school at U. of Chicago; hired a new technician, Paul Clark - ~ 15 years of experience as an aircraft technician at the Air Force and Boeing.
- Sorting out 2 small issues with module 11:
 - Kapton Gas window may be porous for humidity; trying 25 μm mylar instead.
 - In early chambers gas window sticking to cathode: try a cathode with a conducting surface towards gas window.

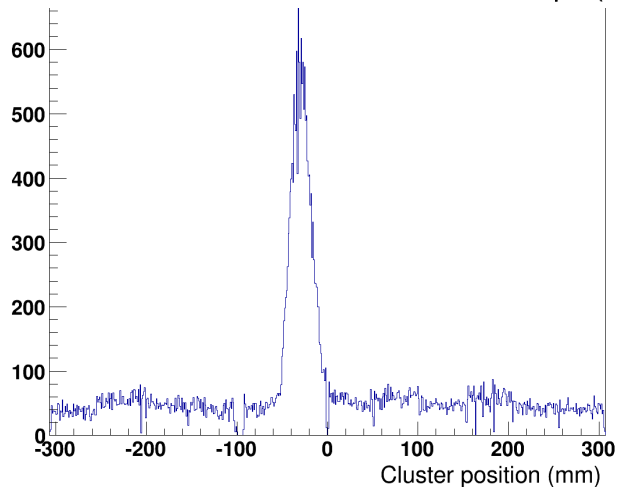
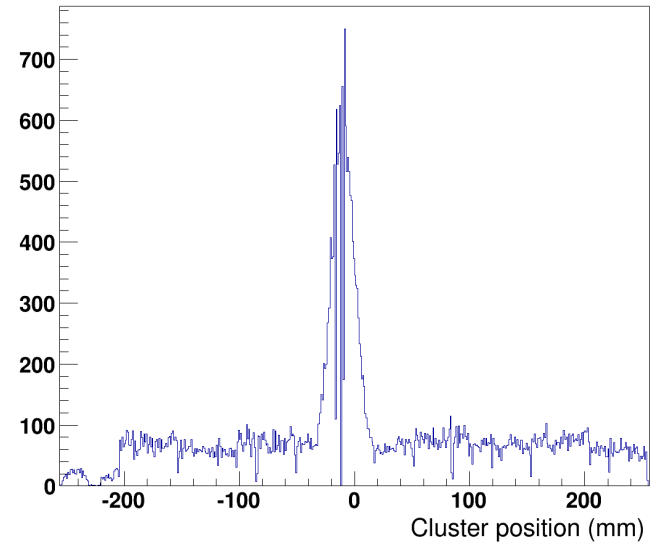


X-ray tube testing.

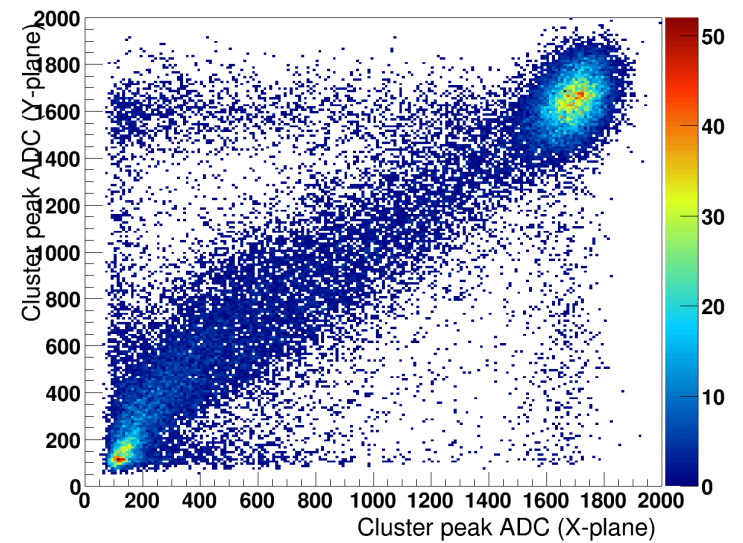
SBSGEMProd6: Hit Position Map



SBSGEMProd6: Cluster Position Distr. in Y



SBSGEMProd6: cluster Charge Sharing



X-ray tube testing.

- Charge deposited equivalent to 200% SBS occupancy.

