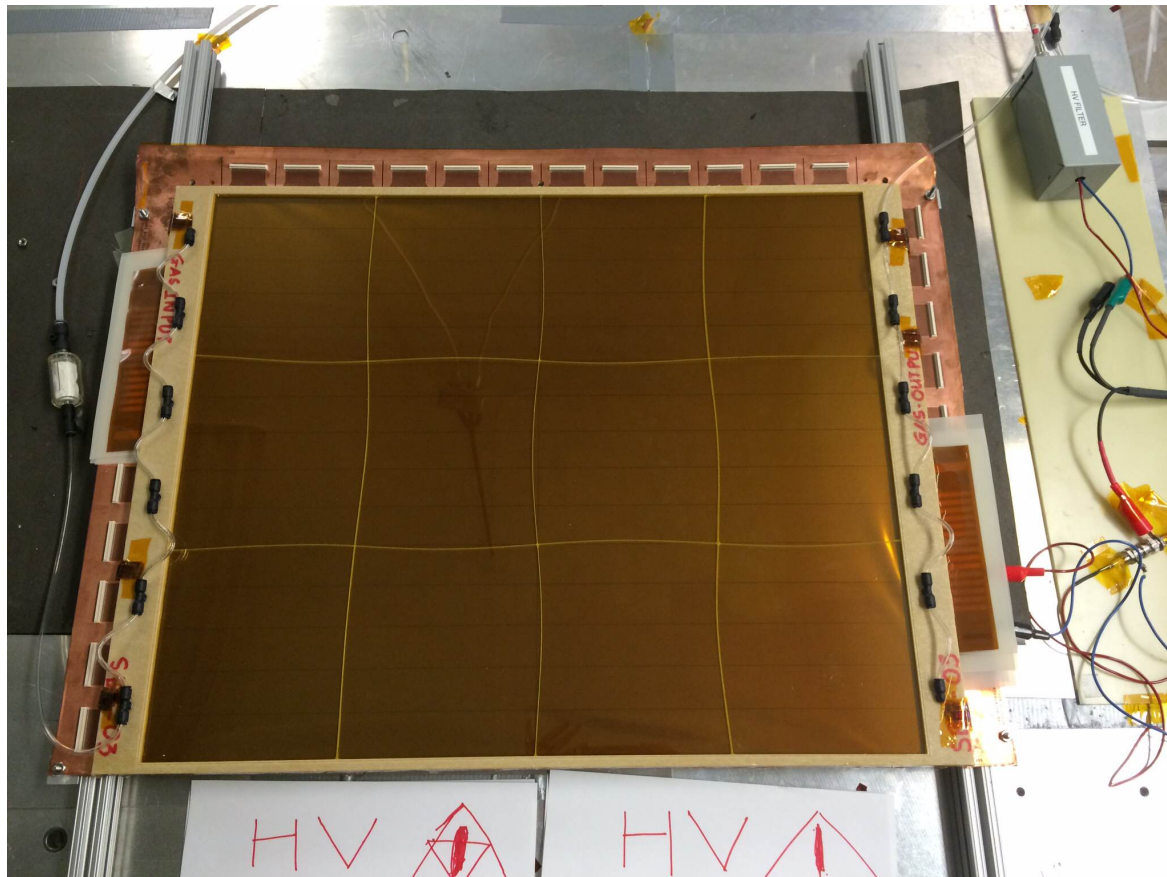


**UVa GEM update: 10/08/2014**

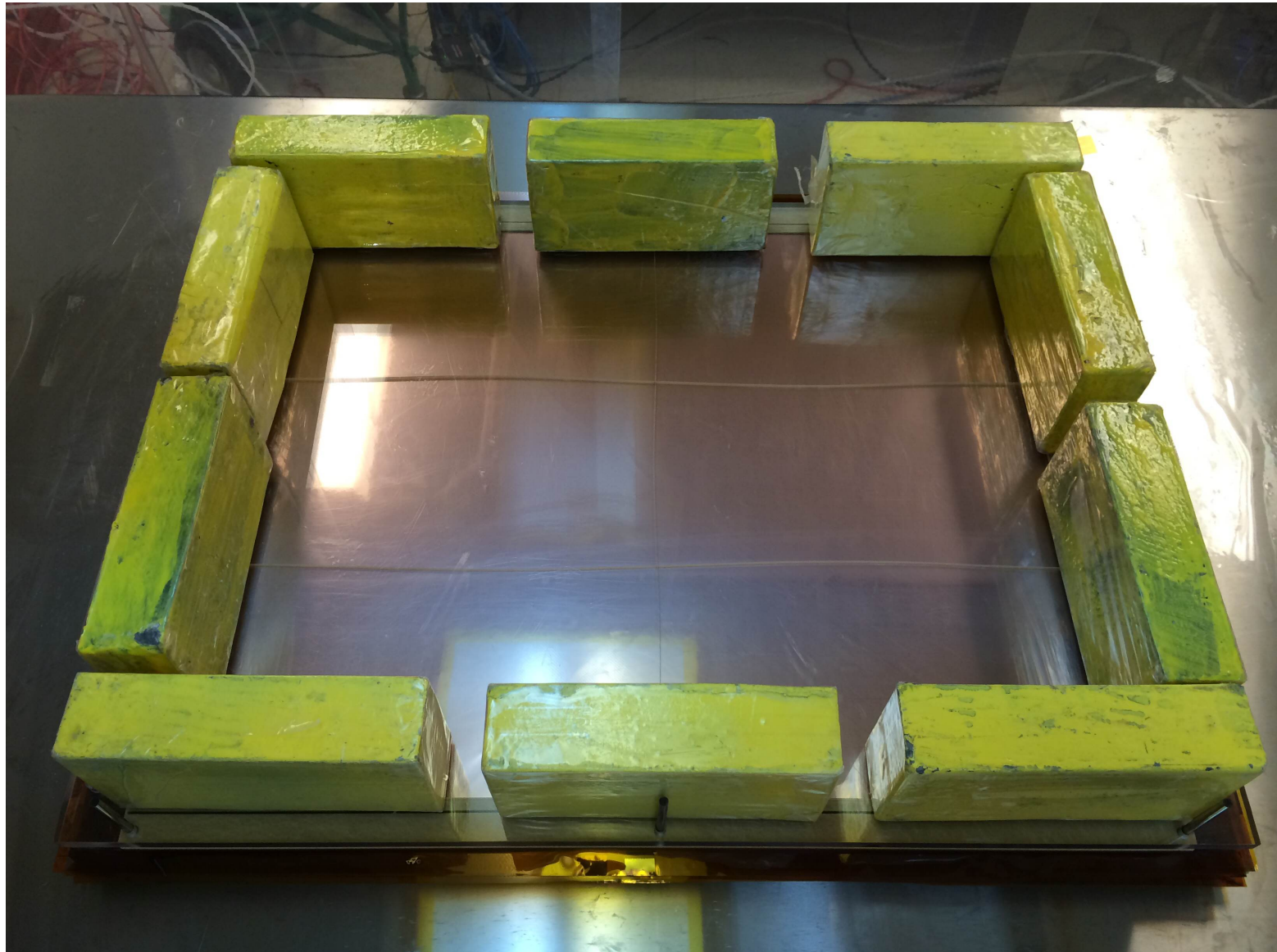
### SBS Module #3

- Chamber #3 construction complete: prepared for final tests now: expect cosmic results buy next week.
- Added the spacers to gas window “by hand”
- In clean-room fabrication time ~ 1 month (Gordon conference, vacations, waiting for extra parts etc.)
- Out of clean room prep/test time ~ 0.5 month.
- Given we are working on 2 chambers at one time need the total time to be ~ 1 month



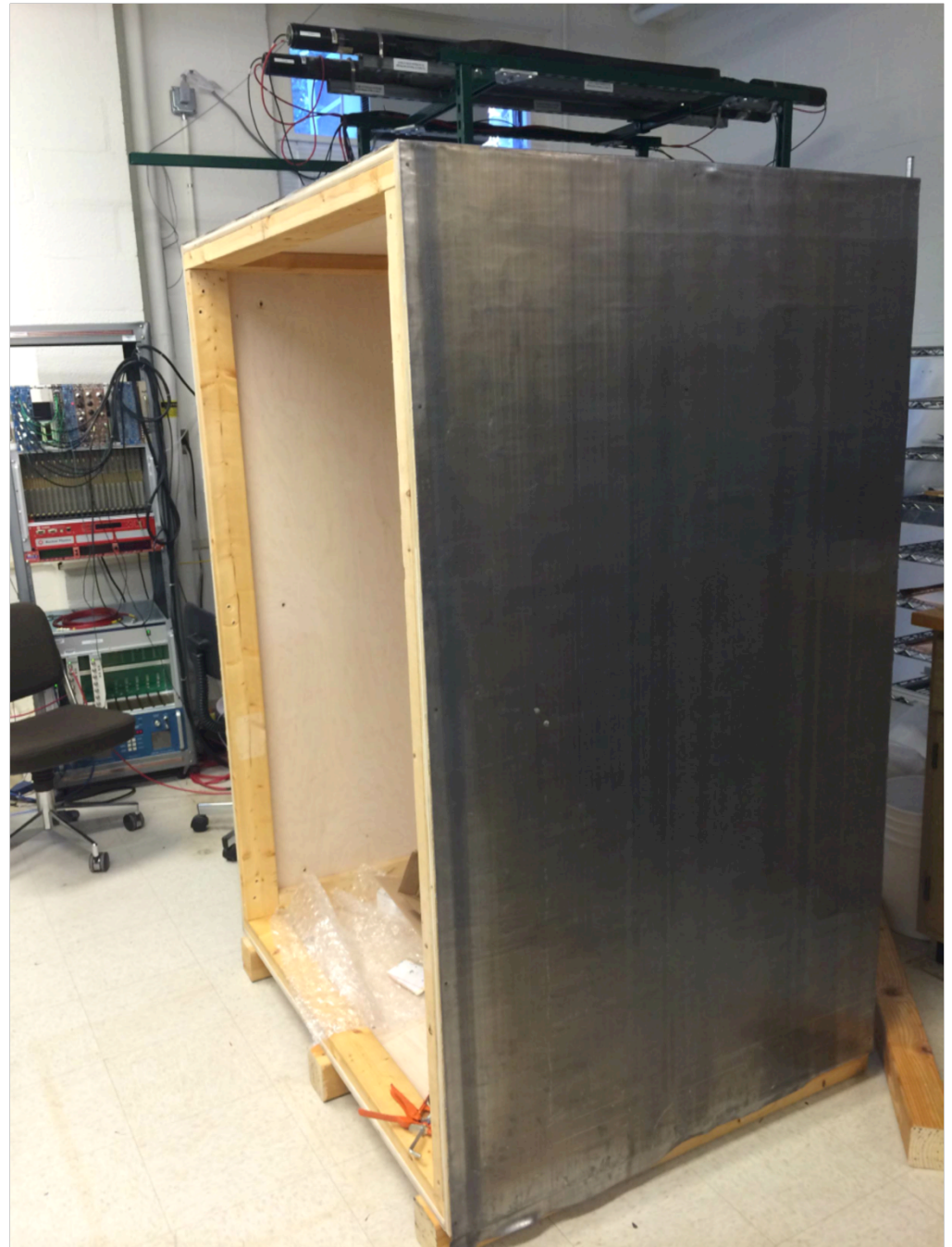
## SBS Module #4

- Chamber #4 under construction; complete the clean room portion by Monday: In clean-room fabrication time 0.5 month: production on time



## X ray Box

- Large box: can test two SBS modules at one time
- Lead installation ongoing;
- All components at hand; expect completion by next week.
- Need to get Rad certification.



## Extra components/equipment

- All extra spacers at hand; installation ongoing.
- First 5 extra windows expected next week; will install on the already assembled modules
- It is a hassle to move the one picoammeter we have in and out the clean room; a second one would help a lot.



## Status

- CERN agreed to replace the 3 low quality readout boards: 3 replacements boards + 1 new already arrived mid September.
- Resarm agreed to replace the 7 faulty frames; the replacements already arrived.
- Now we have frames for 30 chambers.
- Another shipment of GEM foils arrived on 10/01
- now we have foils and readouts 4+ future chambers
- Expect monthly shipments from CERN from now on
- Approaching production goal: 2 modules/month.
- Expect x-ray tests by the end of the month.
- Getting record keeping, results etc. ready for the review.