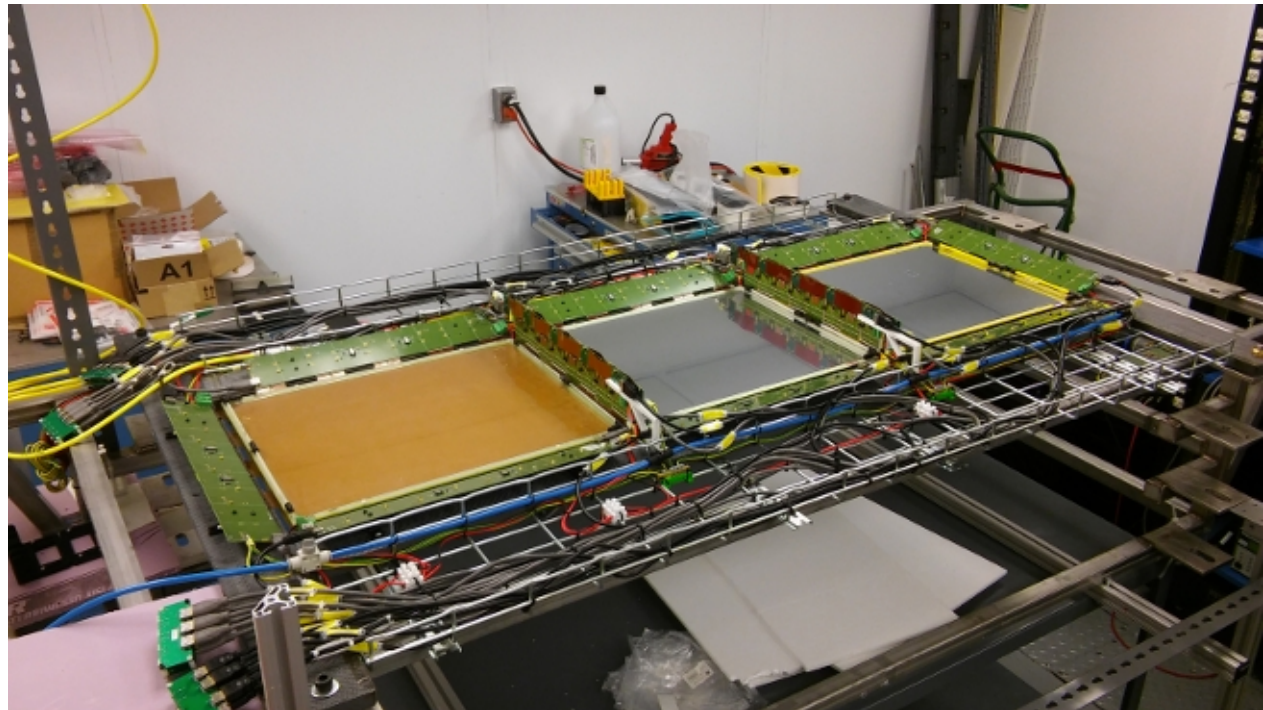


18/Sep/2019
INFN GEM Status (short update)
E. Cisbani

Last ~2 weeks activities

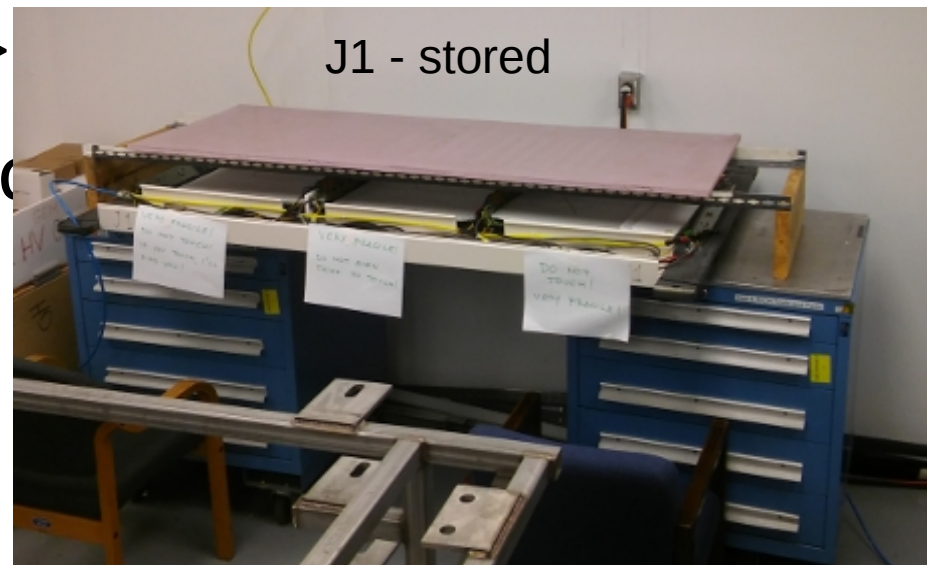
Paolo, Leo + CT techs

- Completed module rearrangement to optimize active area (moved shorted sectors on top/bot of the chamber, whenever possible);
- checked noisy cards and replaced when appropriate
- Attempt to fix module M1 unsuccessful
- Assembled new chamber (J4) ->



Last ~2 weeks activities ...

- Moved chamber J1 from cosmic tower into the BB frame
 - detailed discussion with Bogdan, Todd and frame Designer to improve loading and unloading based on the experience we gained last days
 - discussion with Brad and designer for the support of the Recoil GEMs
- Moved chamber J4 in the cosmic tower and started cosmic tests
- Chamber J1 unloaded from BB frame and stored above the two INFN shelves (picture->
- Accident: M23 (in J4) discharged at 4000 V during a APV25 card manipulation (plugging). Seems to be hard to recover



- Current chambers status
 - 4 chambers left in cosmic tower (J0,J2,J3,J4)
 - J1 stored nearby
 - all chambers flushing N2 (as far as I understood)
 - J4 need further work; all others should be ready for installation
- HV worked stable on all modules (except accident on M23 reported in previous slides) for about 1 month
- Got annoying problems with DAQ, recently from MPD7: reason not well/yet understood (probably not in the MPD itself);
- Leonard and Paolo left yesterday; I will get more detailed information from them in the coming days