

Fermilab Mu2e status update

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Fermilab Status



Monday night (6/15/15) Lab 3 Flooded.
1-2 inches of water everywhere including clean rooms.
Besides infrastructure very little equipment was destroyed.
We did lose our computer which was running Leak testing, but
data was already saved multiple places



Lab 3 status

Lab 3 was cleaned in 1 day!

Looks like drywall will need to be replaced everywhere which will be done sometime in the future.

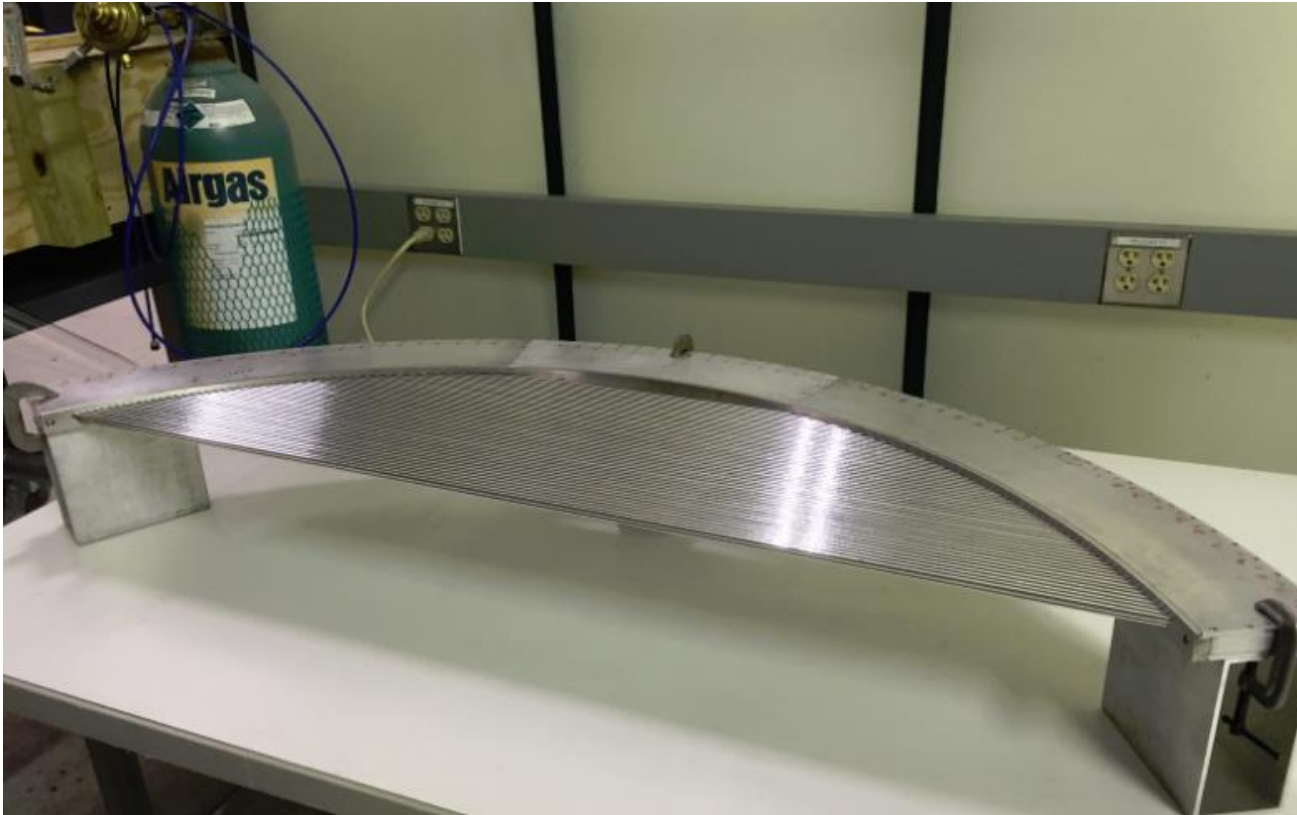
Cleanrooms won't be "clean" until drywall is replaced. Panel moved to MAB for epoxying leaks.

Panel 1.5 is past the need for clean room at this stage.



Panel 1.5 status

Tested for leaks with P5 gas. Result was ~4 straw end leaks and a crack leak on the manifold glue from when manifold was clamped. Re-epoxied straw ends from the other side and manifold joint. Will test for leaks again on Monday and move toward vacuum test.



Leak Chamber status

We have a new computer.

Getting 50/50 Argon/CO2 has been a nightmare here(ordered 2 months ago) Will be mixing our own.

Prototype calibration plug looks good, some changes needed.



Other ideas being worked on

- Blowing lead wire through straws (removes need to turn straws vertical)
- Straw tension measurement through capacitance (replace need for stronger magnets)
- Lot of different work on electronics (preamp sparking, ect.)