

High Bay

Week 1: **Tube Gluing**

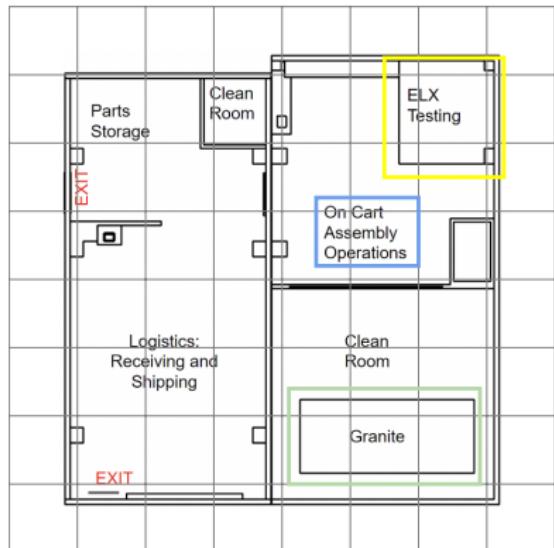
- ▶ Glue 2 layers per day (including gluing spacer frame/RASNIK layer)

Week 2: **Position Measurements**

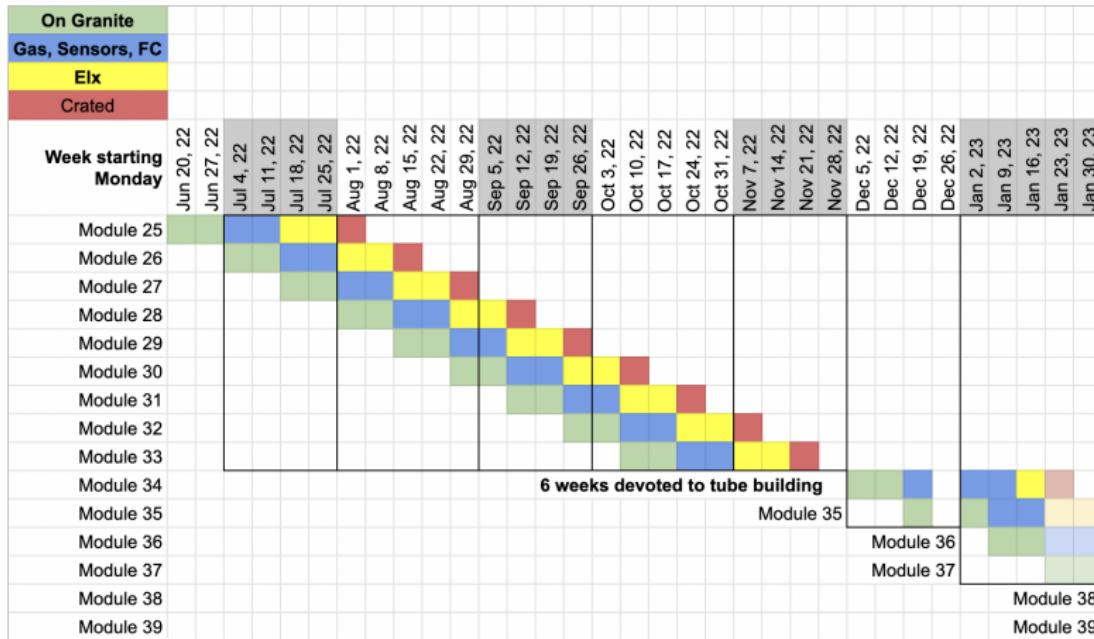
- ▶ Measure wire heights
- ▶ Glue AP-plates, B-field sensors, CCC platforms.
- ▶ Measure platforms.
- ▶ Glue support bars.

Week 3: **Gas Systems**

Week 4: **Cosmic Ray Test**



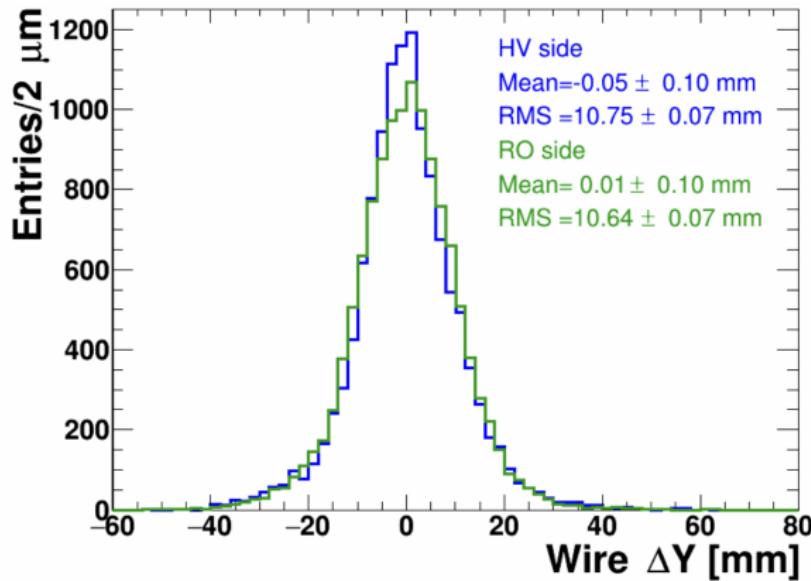
PLACEHOLDER



Measurements **PLACEHOLDER**

- ▶ Platform positioning
- ▶ Endplug height positioning (different from mpi)
- ▶ we don't have coordinate measuree machine, measure endplug height, assume z direction is fine, set by combs
- ▶ layer spacing layer pitch
- ▶ Leak Rate
- ▶ Efficiency
- ▶ Resolution

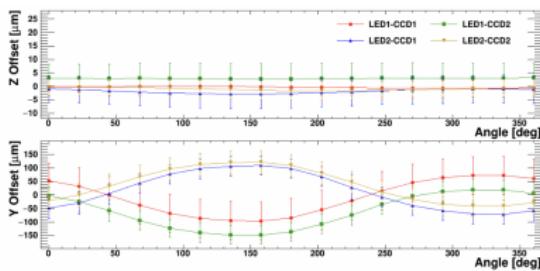
Wire Height PLACEHOLDER



Inplane Alignment PLACEHOLDER

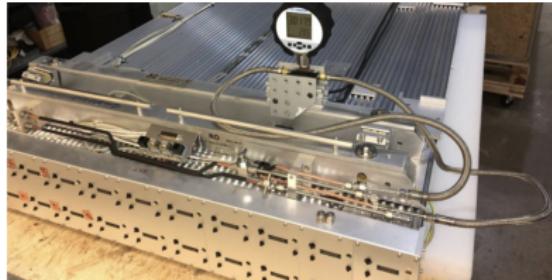


(a) Chamber on rotation cart

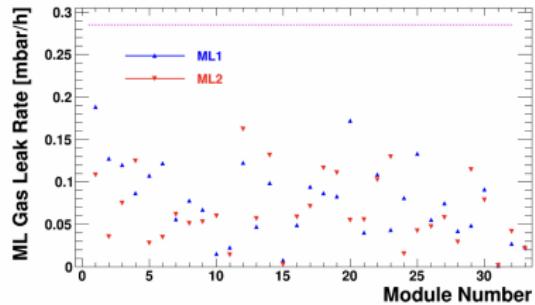


(b) Deviation

Leak Rate **PLACEHOLDER**

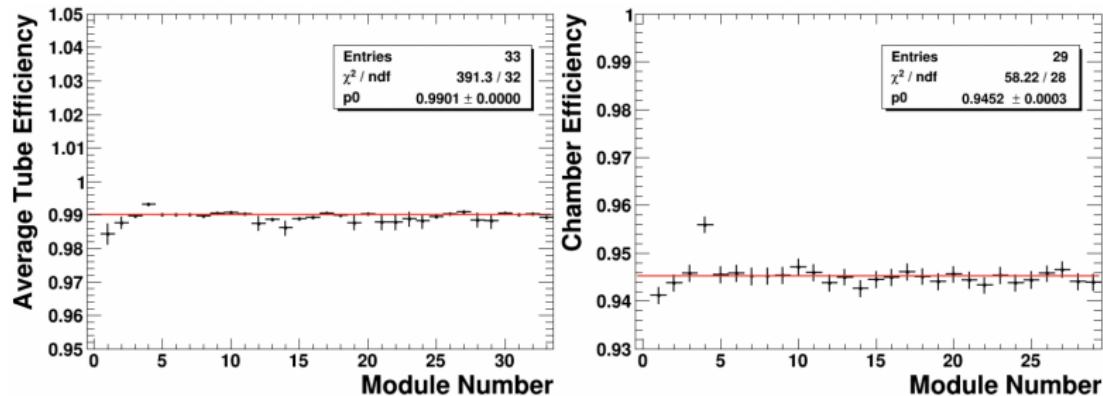


(a) Chamber undergoing a pressure drop leak test

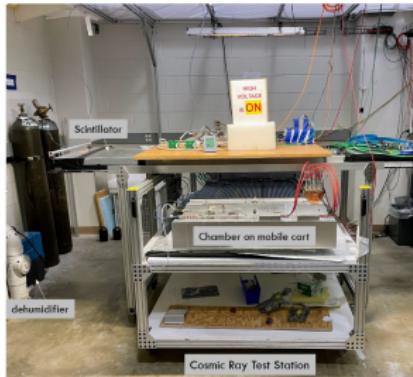


(b) Leak Rates of past 35 modules.
The dotted pink line is the maximum acceptable leak rate of 0.288 mbar/hr.

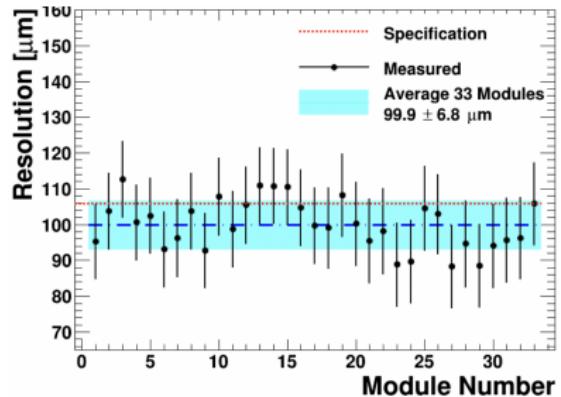
Efficiency PLACEHOLDER



Resolution PLACEHOLDER



(a) Cosmic Ray testing station



(b) Resolution done with convolutions

mpi takes shorter run, we take out scattering with convolutions

New Electronics

replacing csms (csm catches stuff from mezzanine and sends as light) so we neeed new mezzanine cards