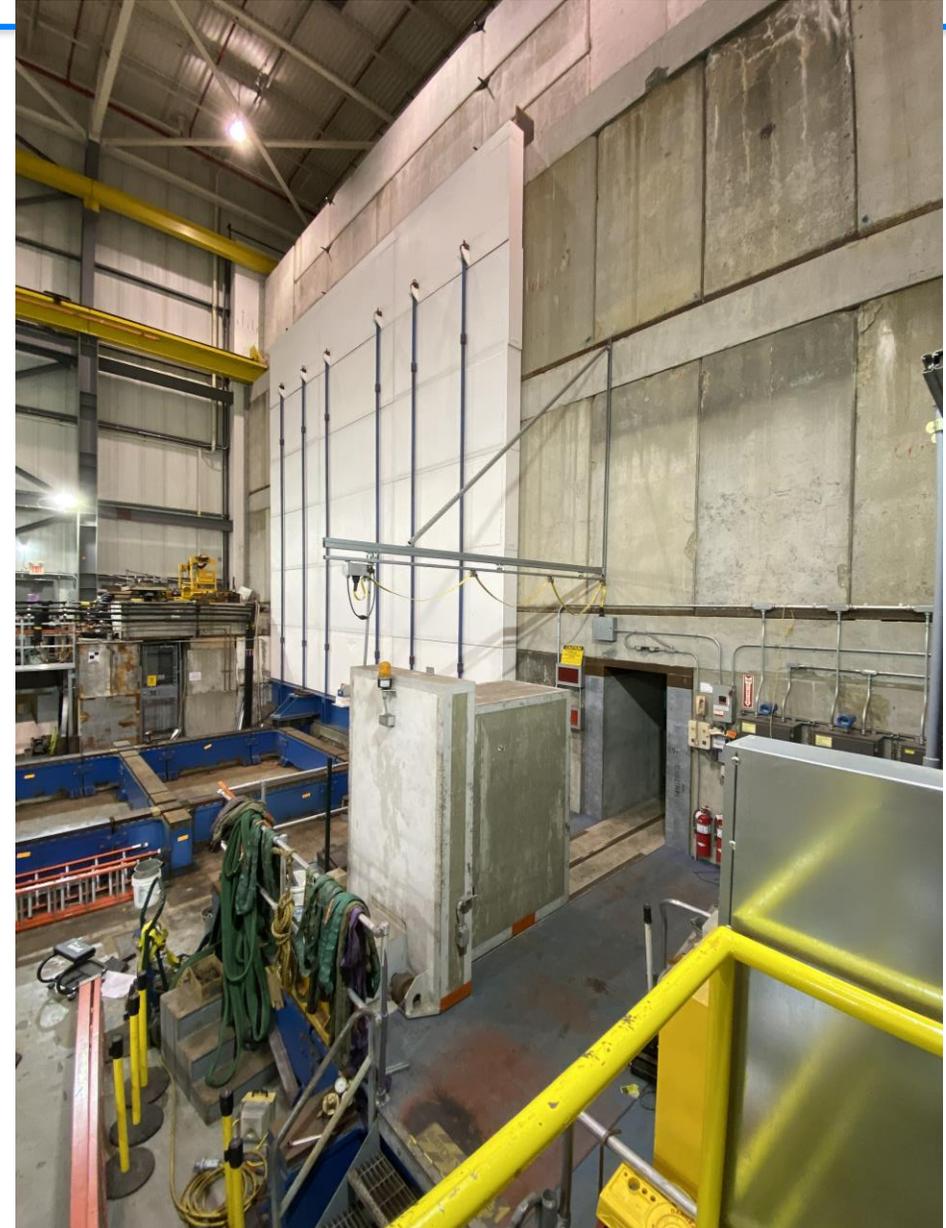


sPHENIX Planning Meeting

1008 Updates

- Track work has started
- Next week:
 - Continue HCAL Factory assistance
 - Continue cable production
 - Assist with Track work as needed



Infrastructure

- Track Concrete work started
 - Tools and personnel on site
 - Grout has arrived
 - Forms being placed
 - Rebar preparation underway

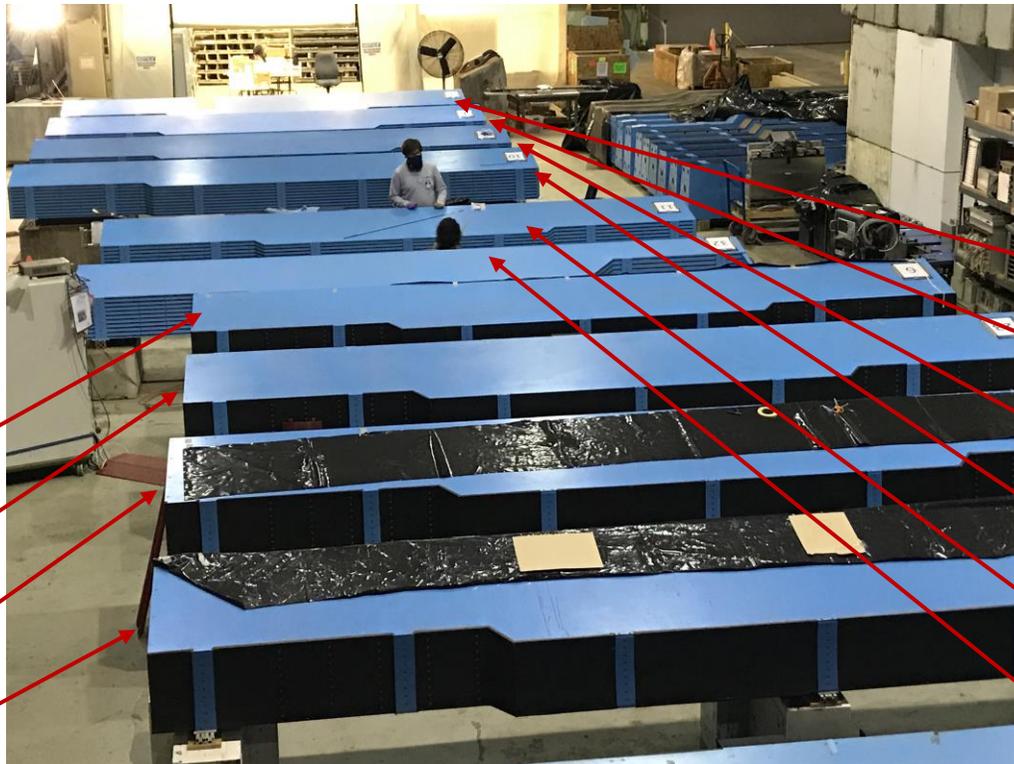


oHCal Status

- 22 sectors completed and in storage
- All remaining 10 sectors on tables
 - 4 completed
 - 2 testing
 - 3 partly assembled
 - 1 empty



- Concerns
 - Burn-in rack availability



#30 (chimney) testing

#13 tiling

#12 empty

#24 completed

#3 completed

#28 testing

#15 tiling

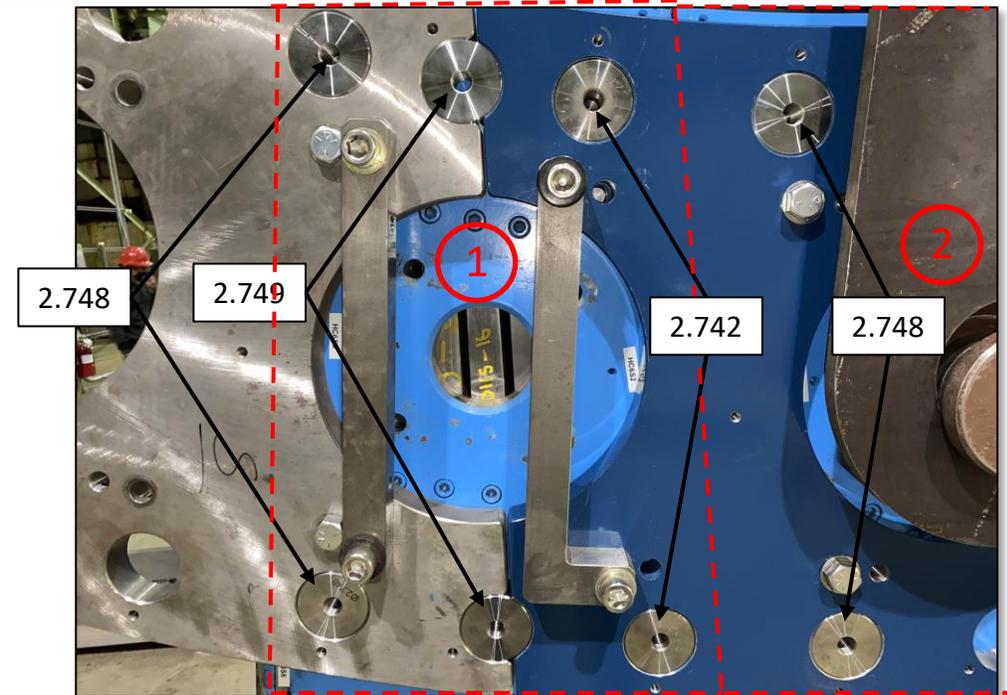
#14 tiling

#4 completed

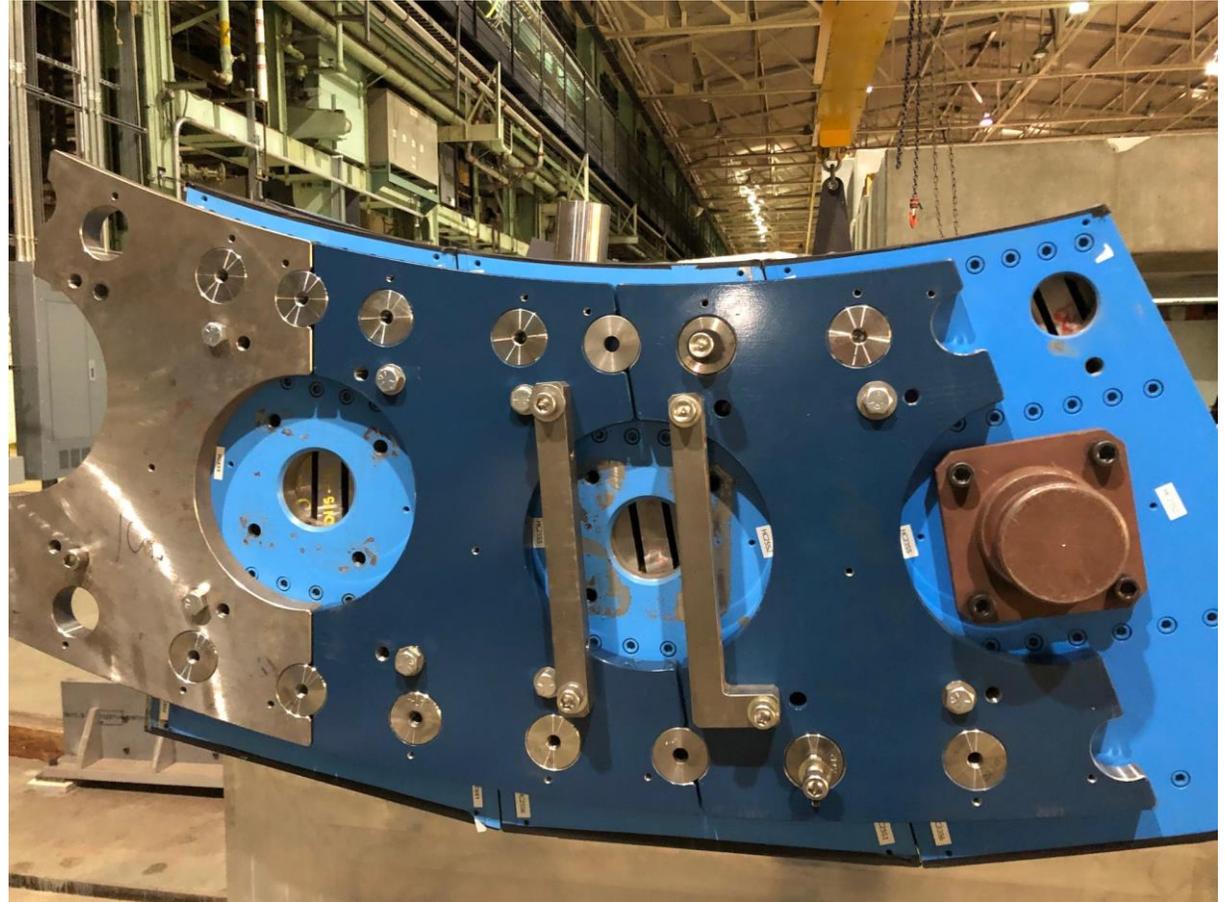
#31 (chimney) completed

Outer HCAL Installation: Practice Installation

- Bookends installed and set screws set by survey
 - Create a plane that was **.003"**
- Sector 1 installed
 - 2.748" Pins to locate splice plate to endplate
 - 2.749" Pucks
 - .010" gap at the lower North set screw (bookend)
- Survey determined Sector 1 was **xxx** to the sector model
- .060" Shim pack installed between sector 1 and 2 (4 Locations)
- 2nd sector installed using newest splice plates and pins
 - 2.748" Pins to locate splice plate to endplate
 - 2.742" Pins to attach sector 1 and endplate 1
- Survey determined Sector 2 was **xxx** to the sector model
- 3rd Sector installed



- Sector 1-3 complete
- Next steps
- Adjust installation procedure
 - Confirm with survey location of sectors
 - Do it all over again!



Sector Rotation assemblies complete. Need to contact Jim Mills for approval before use.

Received 60 pre-amps, almost all used. Need more ! Should receive next shipment before April 1st.

Block production on track with Sector assembly. Epoxy received from Bicon, Ellsworth will supply EMCAL for the remainder of block production.

Sec 13 complete and on test stand.

Sec 14 is complete.

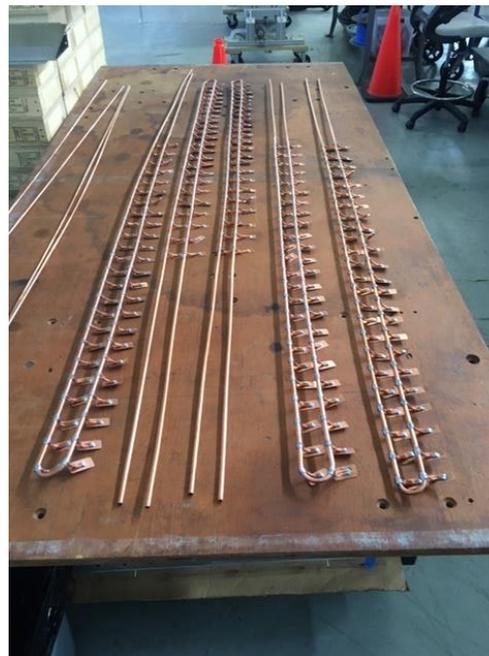
Sec 15 is complete.

Sec's 16 and 17 awaiting pre-amps.

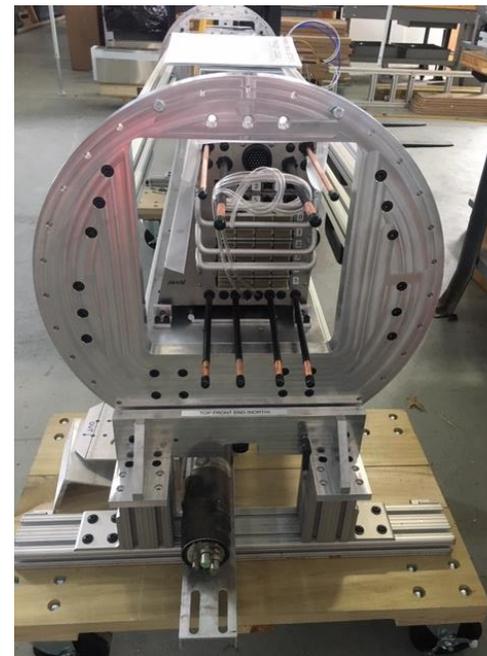
Sec's 18 and 19 should receive blocks next week.

Sector pressure testing ongoing, no issues.

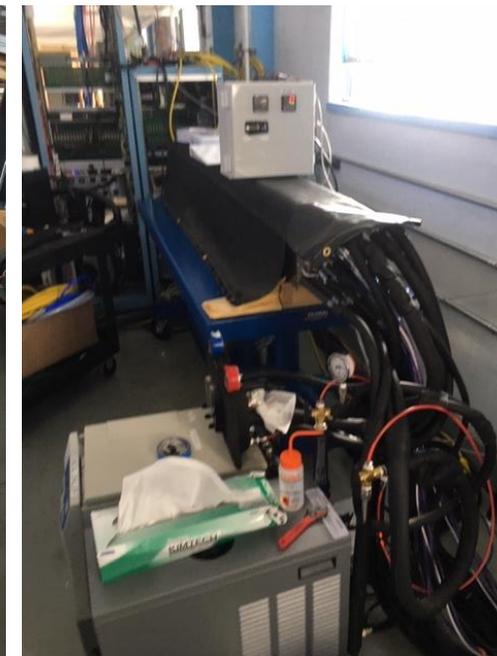
Concern(s) Pre-amp supply will delay sector production (removal off assembly lines) for two more weeks. Filling in by pre-assembling all needed components. Also working on potential storage needs (for parts and finished sectors).



5 SiPM Manifolds from Vendor. Passed !



Sec 10 installed in Rotation Fixture.



Sec13 being tested.

Calorimeter Electronics Group Projects

TPC LV Output Crate



Test Pulse Drivers



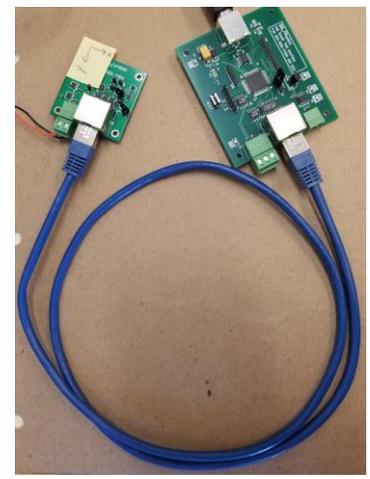
Steve:

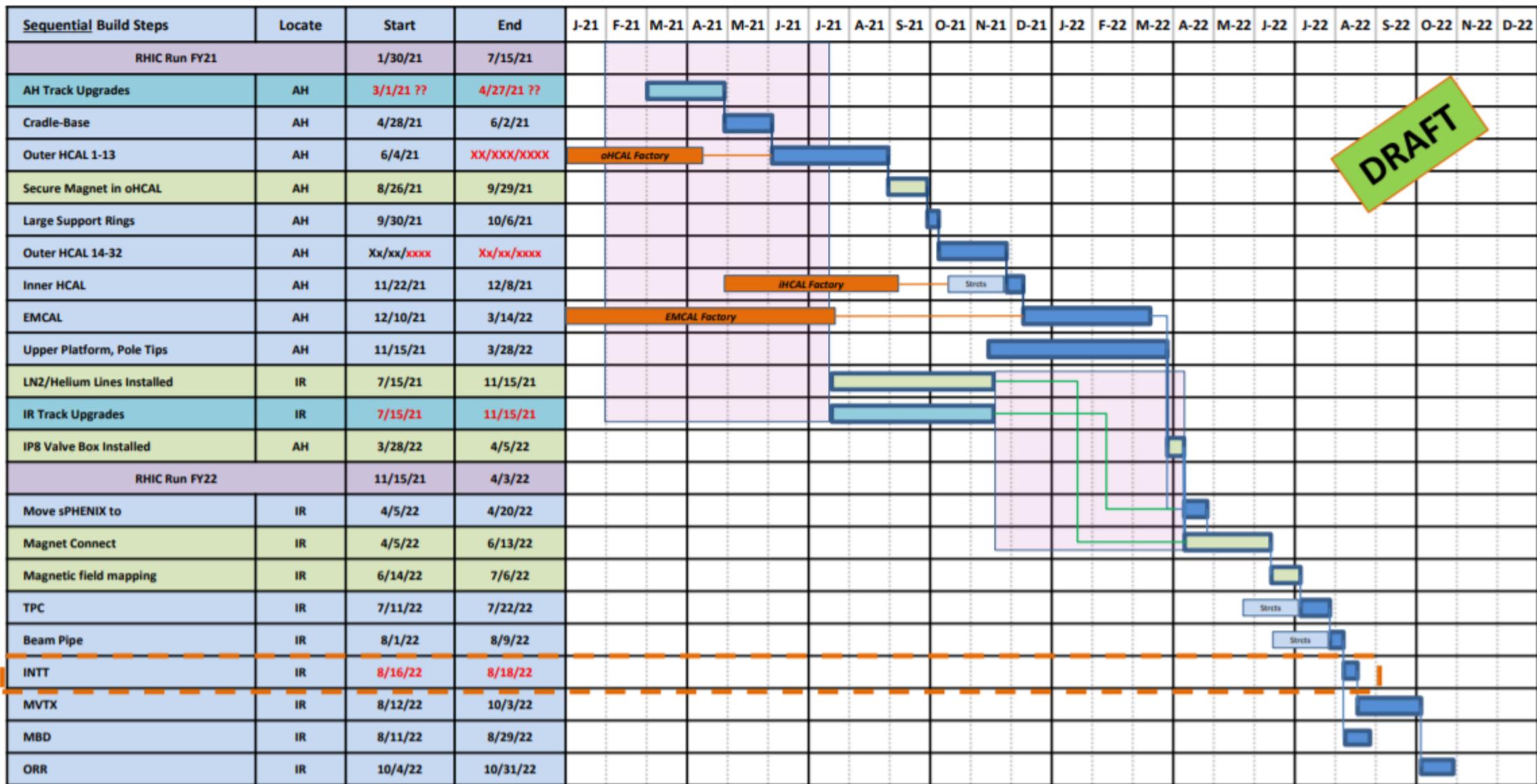
- Working with INTT group on LV, bias and thermistor systems.
- Programming/testing the Hall sensor.
- New networkable humidity sensor prototype design for Calorimeters.
- Setting up EmCal preamp test stand at the assembly house.

Sal:

- Added an access hole and is making progress on TPC crate wiring.
- Almost finished assembling the remaining three Rev E TP Fanout boards.
- Repairing some HCal preamps.
- HCal signal cable repairs.

Hall Sensor with Interface





DRAFT

Safety

Workplace safety pause at 1pm, a recording will be posted