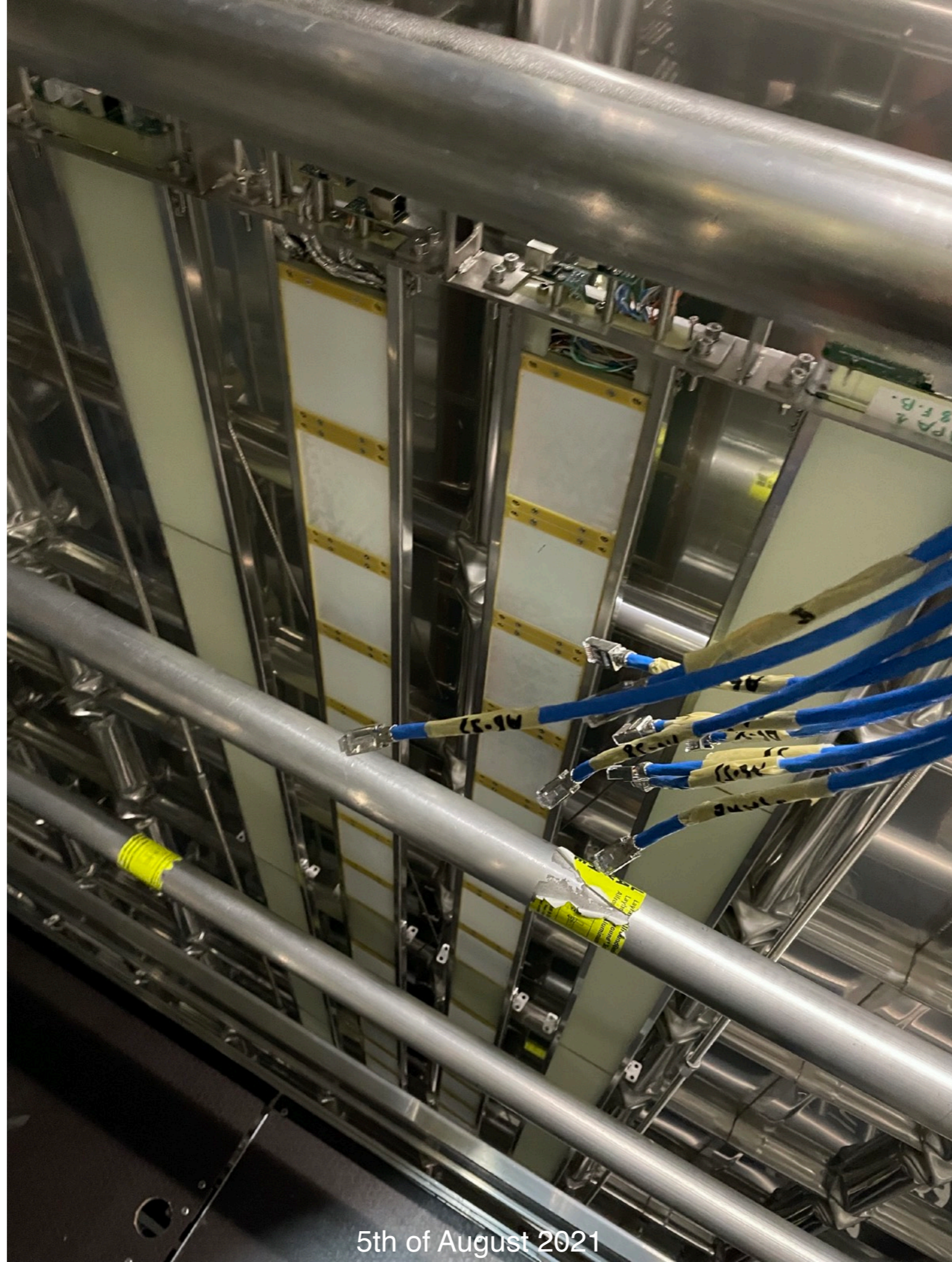


# Status

Recently completed:

- Removal of the top three field shaping rings
- Installation of 2x2 m<sup>2</sup> of high transparency field cage (manhole wall)
- Installation of 2x NP04 Arapucas and 2x double shift bars
- Installation of the SSPs
- Removal of one of the sprinkler too close to the extender
- Installation of the new extender
- Installation of 3 new camera looking at the extender and check the other cameras
- Installation of the HV feedthrough, cable and power supply
- Installation of the ground grid, clean up, and closure of the manhole (4<sup>th</sup> of August)
  
- Completion of the NP02 cold box cryogenics hardware
- Installation of external mechanical filter before NP02 filter



5th of August 2021



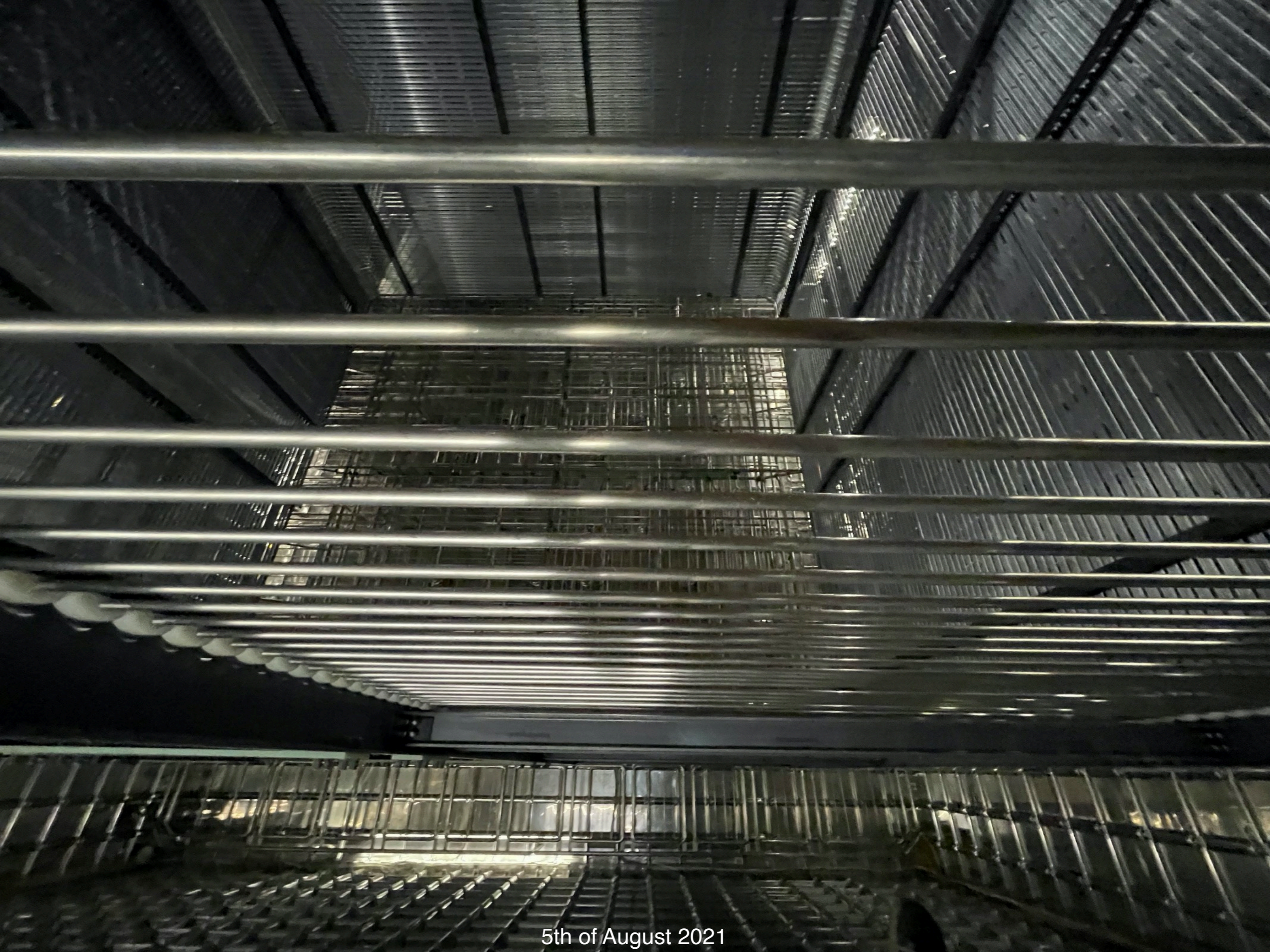
5th of August 2021



5th of August 2021



5th of August 2021



5th of August 2021

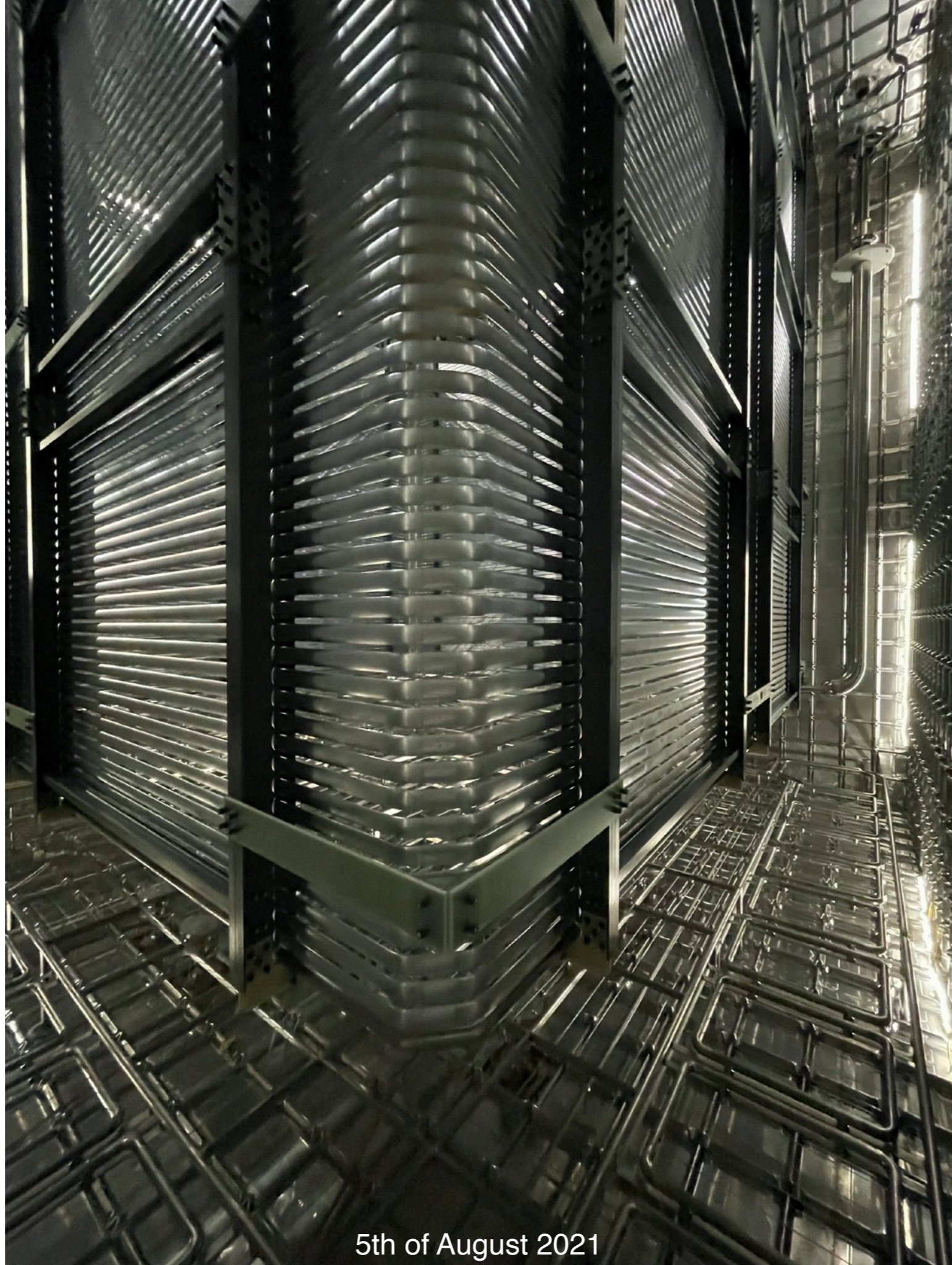


5th of August 2021



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5th of August 2021



5th of August 2021

## HV is on

HV is on at -20 kV and current is constantly monitored.

Continuity (power supply, cable, feedthrough, extender, cathode, resistor divider, FFS and ground) is ok.

Voltage of the FFS ring also monitored (and can be externally set).

Monitored current  $\gg$  nominal current due to stray parallel currents through FRP pillars.

Stray current due to embedded humidity in the pillars, effect already observed in 2018.

Current decreasing, expected to tend to the nominal value the longer the purge.

Expect large current drop when cool-down is started.



Purge with GAr started yesterday around 13:00.  
Cool-down starting the in the middle of next week.  
First LAr delivery expected on the 16th o August.

