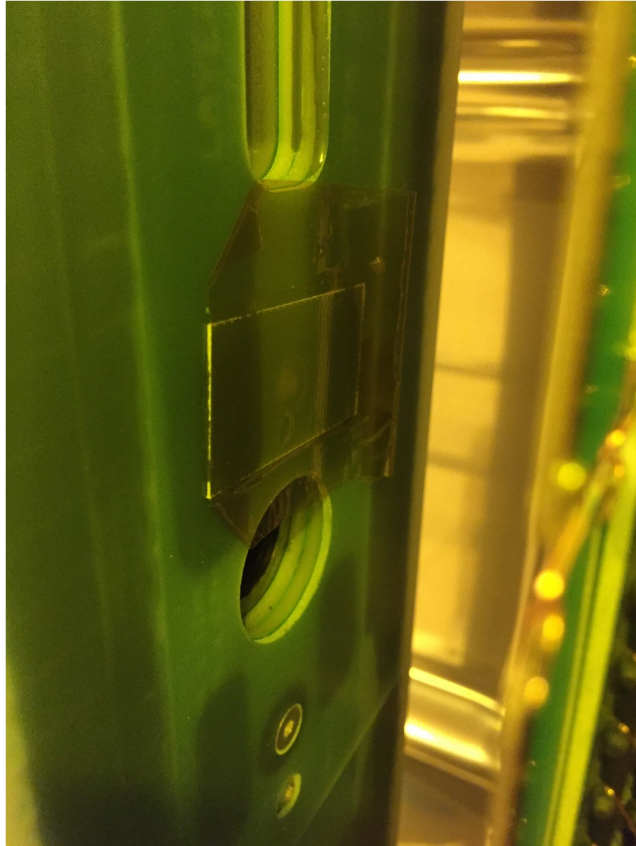


EHN1 status report

ProtoDUNE-SP ITI Meeting

March 8th, 2018

APA 1-3



- Epoxied small 0.5 cm thick G10 pieced above screw heads on the side of the frame. The heads were supposed to remain inside of the frame, but some of them sticks out, potentially risking to make electrical contact with the neighbor APA (3 mm gap between APAs). This fix the problem

- Cabling of APA3 PD and CE flanges ongoing since yesterday. APA 1 and 2 will follow



APA 4

- PD installation completed last Friday
- Remaining CR boards and pictures taken between Monday/Tuesday
- As of yesterday, all CE boxes are installed and tested
- Cable dressing to be done by the end of the week
- Planning to move the APA inside the Cold Box on Monday

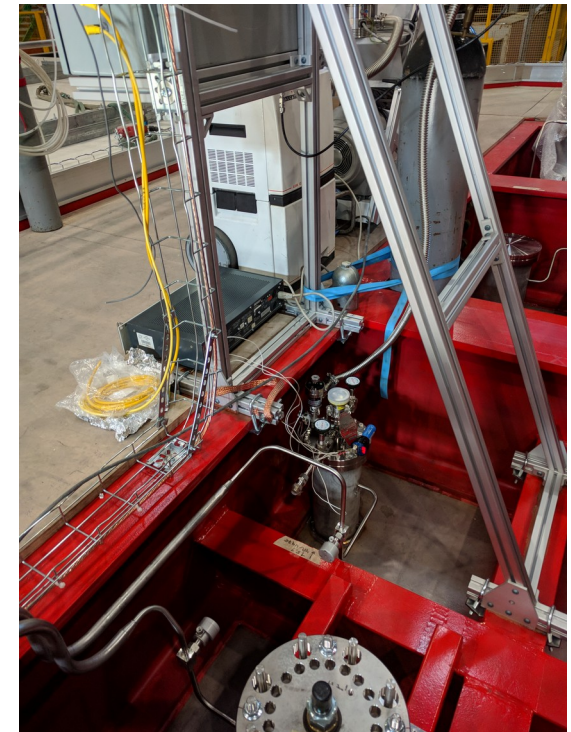
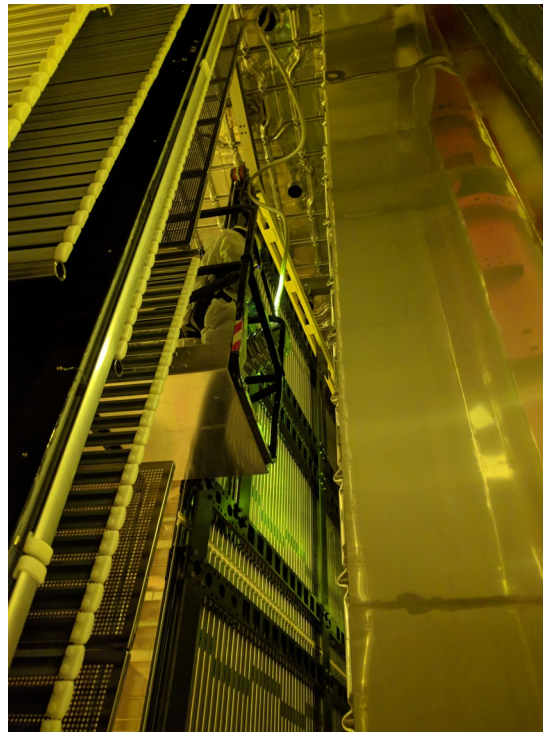


Inside the cryostat

- Installed G10 “bumpers” at the edges of the CPA plan to prevent the End Wall from touching the FC profiles once installed
- Beam Plug FT for N2 system installation done
- CPAs mechanical and electrical interconnection done
- Moving CPA plane into final position, fixing CPA heights, connect downstream End Wall to CPA and APA and CPA Q&A test starting today

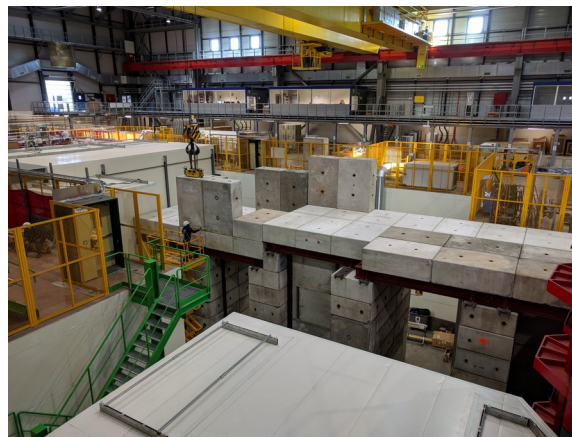
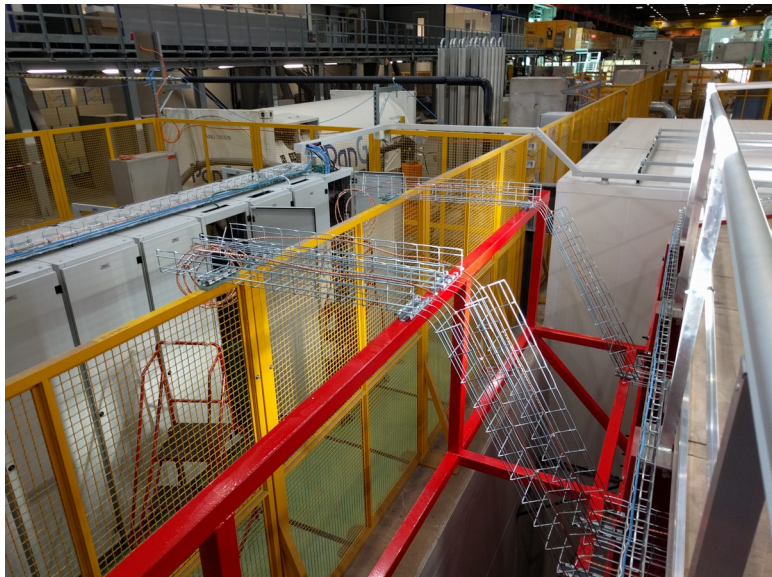
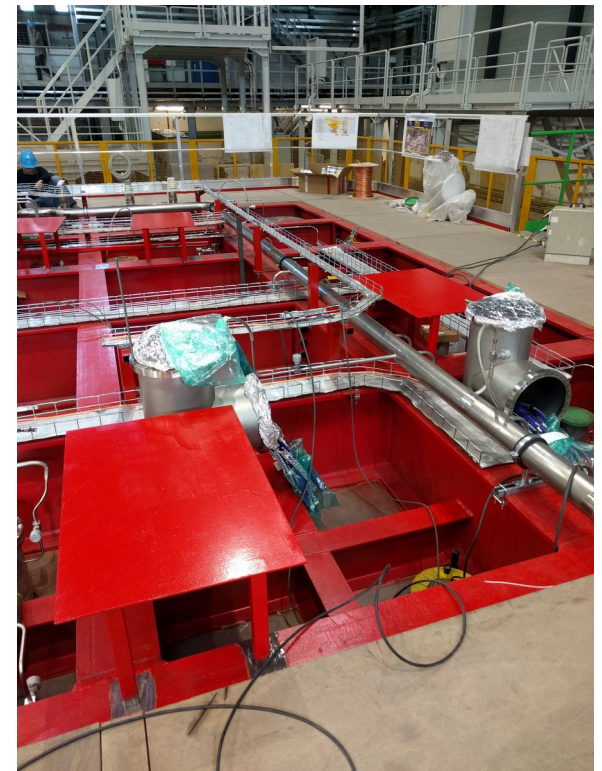


08/03/2018



Outside the Cryostat

- Cryostat – DCS racks cable tray under construction
- Tables for SSP racks appeared on the cryostat roof. They'll have holes to fix the racks made and then they'll be welded on the cryostat
- Covering all FT with temporary flanges before positioning of floor tiles in the middle of the cryostat next week



Beamline support
construction is moving on...

Coming up....

- APA 5!
 - Completed ahead of time, it will leave Daresbury on the 13th and arrive at CERN Friday next week (16th)
 - We may move it in the Clean Room the week after and start working on it
- Cables and fibers!
 - routing of cables and fibers will start mid next week
 - we'll need to have cable trays completed and SSP racks in place for that
 - we should also have additional false floor to walk also in the middle of the roof
- Field cage deployment still scheduled to start Monday 19th
- Warm and Cold APA4 tests still planned to start next week

**April 30th TCO closing operations will
start**

**All TPC components will have to be in
by that day**

53 days from today...