#### RICH-WALL and MWPC planning

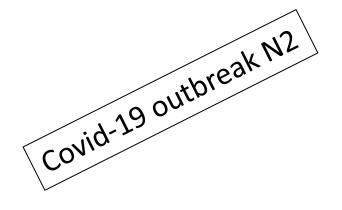
M. Alexeev & colleagues
Università di Torino & INFN Torino



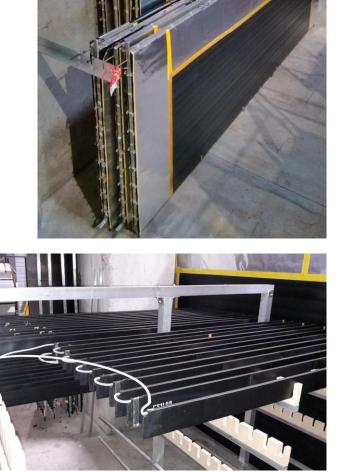


#### RW situation

- Presently the Richwall is dismounted with a part of the short tubes on the storage support and all the long tubes on the panels
- The tension test equipment did have some issues after we moved to a new testing place in July 2020 to free the space for the rail renewal operations at 888
- We did perform some additional stand modifications and brought the gas to the storage and the test stand in September 2020







## Tasks and manpower(preliminary vision)

# May 2019 TB

Turin COMPASS/CERN JINR

July – September 2019:

1-2 persons, for the removal of the external parts, production of the missing elements

A.Samartsev for the general planning of the disassembly and the missing parts design

Scaffolding, preparation of storage/repair area

The schedule that was prepared and presented in 05.2019 and confirmed in 02.2020

October 2019:

3-4 persons permanently present during the disassembly A.Samartsev present to guide the operations

Crane + possibly a technician for urgent elements production/modification

Ongoing TB 04.02.2020

Will provide shifts for the test of all the tubes. Tentative repair operations

9-10 month no Covid work were planned

during the operations?

Will provide support with the wire tension test equipment and general supervision and advisor control over the procedure. In case of new tubes necessity the possibility to produce spares in 2020 is being prepared

The planning of the works so that the space needed for the operations is available

September

 October 2020: 19/01/2021

3-4 persons permanently present during the assembly

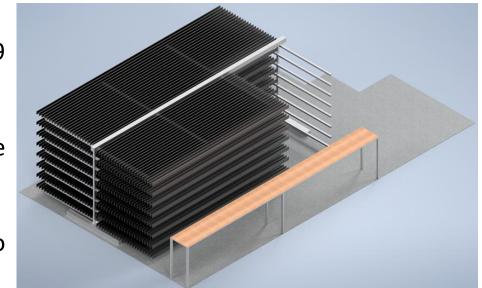
Crane + technician + pillars

A.Samartsev present

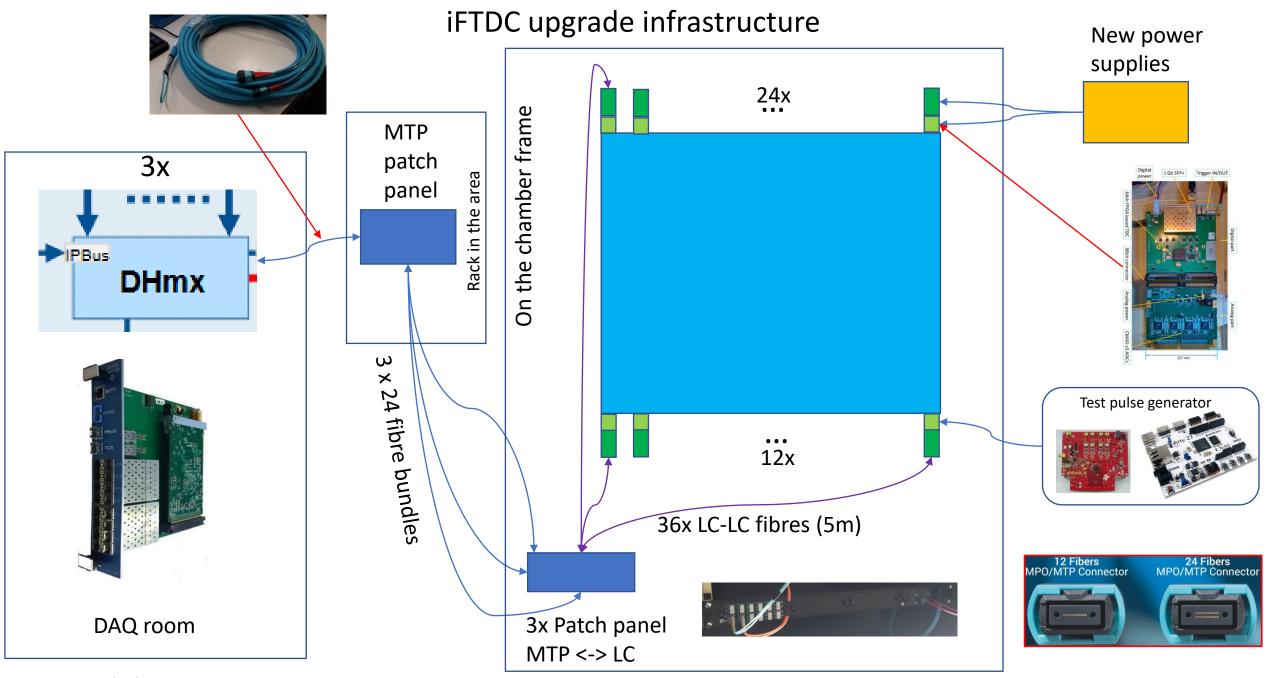
## RW planning topics

- Presently the work needs to be finished by 01.07.2021 (not in 9 month)
- There is no possibility to reasonably plan the travels due to the possible Covid restrictions
- We decided to move the wire tension measurement equipment to Torino
- We will bring some short MDTs to Torino to start looking for the testing equipment problems
- When it is confirmed operational we will try to continue the testing of the short tubes at CERN

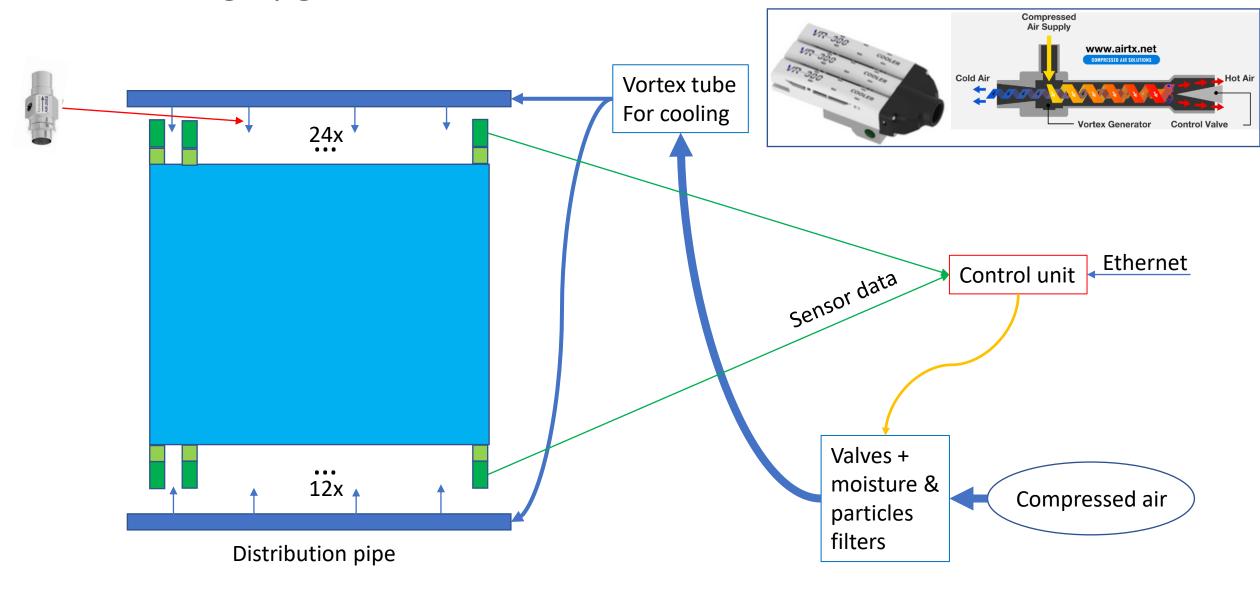
For <u>the long tubes</u> we need to know the availability of the storage area because if we remount the storage and dismount the panels but fail to be ready for the Run the storage would remain there during the running







## Cooling upgrade infrastructure



### MWPC planning topics

- Presently all the elements needed to the instrumentation of one MWPC with the new iFTDC based FEs are available
- We plan to prepare the chamber for the new FEs and install the new PSs in 888 during 02.21
- The installation of the new FEs should take 10-15 days taking into account the cabling and the initial checks
- We will need help with the installation of the DHmx in the DAQ barrack and we need to decide who will lay down the fibres there
- We expect to need 5-7 days for the installation of the cooling on one MWPC





No major interferences with other detectors is foreseen during the MWPCs preparation