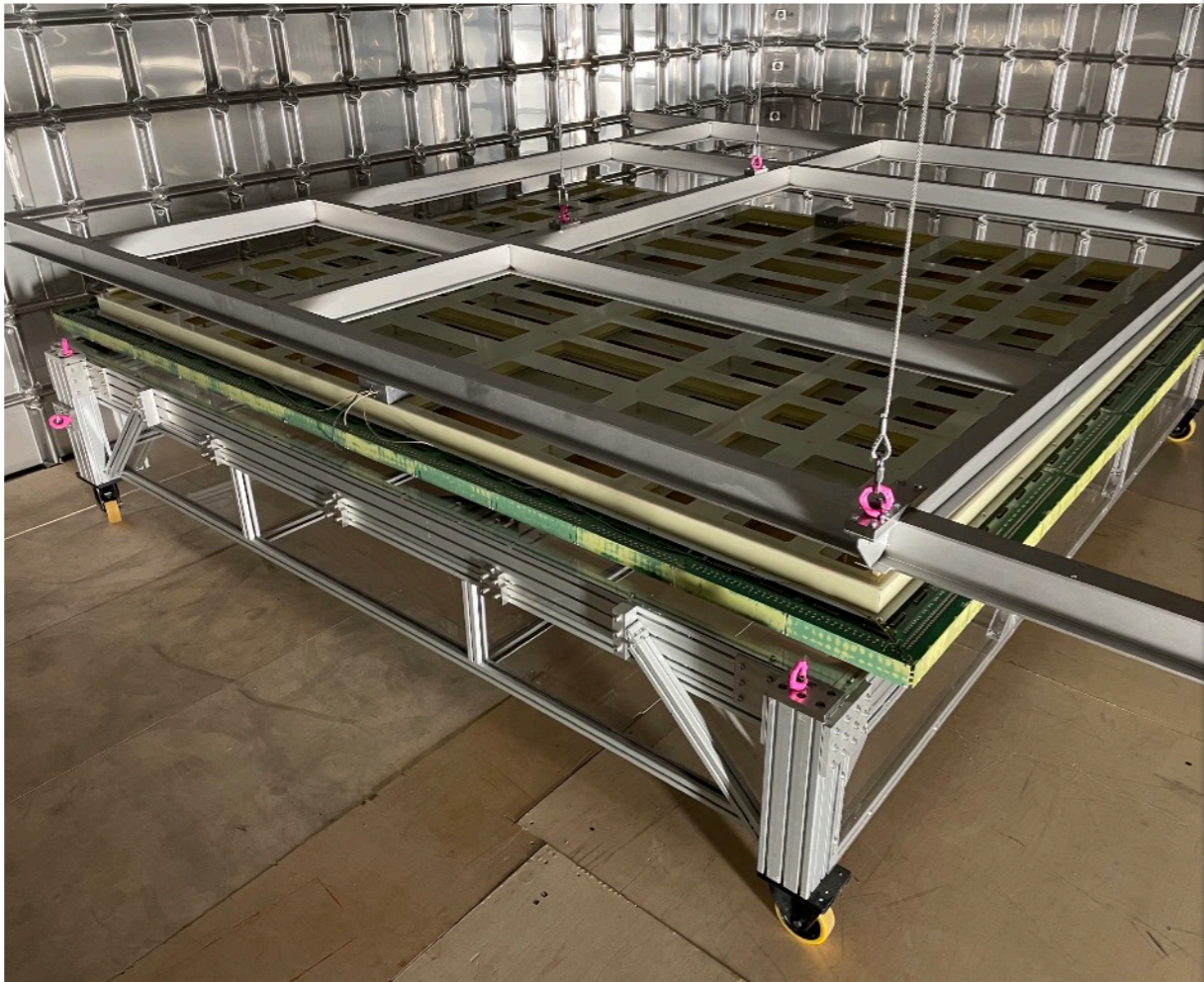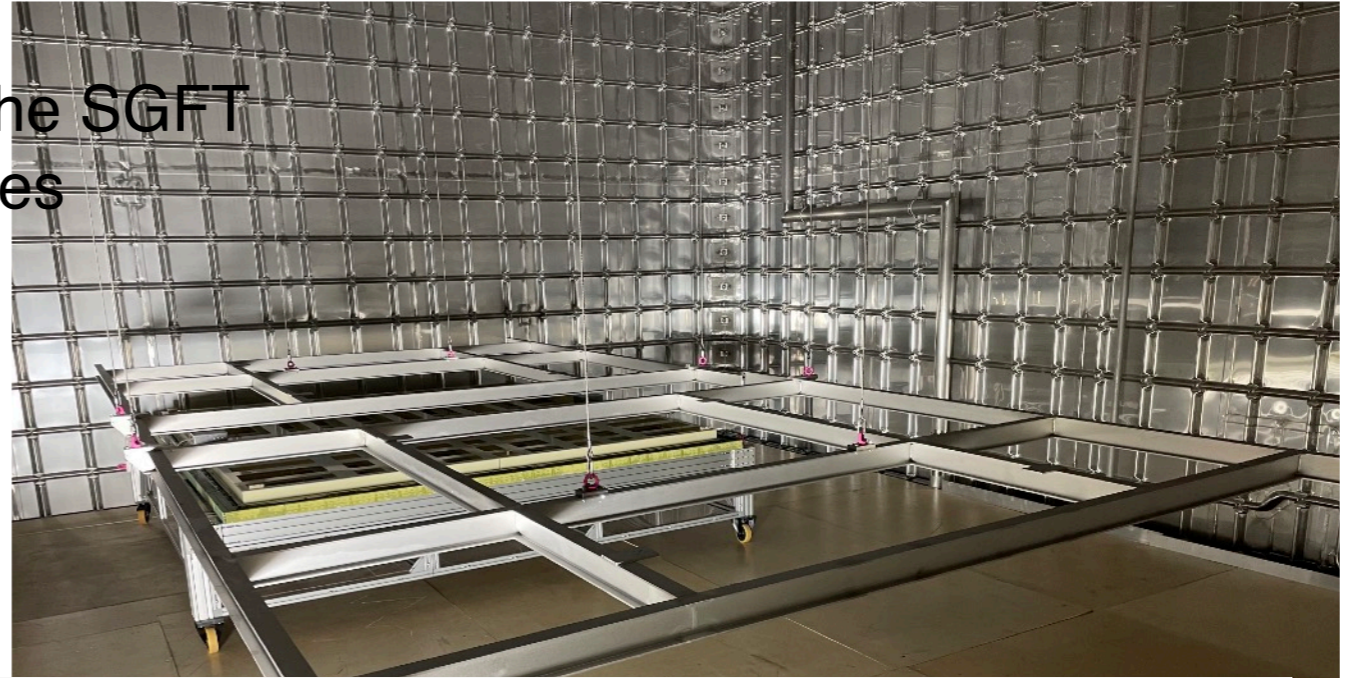# Module0 interfaces

Filippo Resnati

Status:

Status:
- Field cage support installed
- TDE cable trays installed and connected to the SGFT
- Top CRPs supports hanging from which cables
- CRP3 inside of the cryostat

Next steps:
- Installation of PDs supports
on the walls week of the 23rd
- Lift the CRP3 in final position and cable it
- Installation of first cathode module

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Available at EHN1

What is available:
- Means and personnel to move material in the clean room and inside of the cryostat
- Means to access at height in the cryostat
- False floor manipulation
- Mechanical workshop and technical support
- Interface to safety and HSE approval
- Lifting tools tests
- To the extent possible, space and tools to test and assemble components
- What concerns the cryostat and the cryogenics
- SGFTs, DSS, cable trays (not specific to VD) to penetrations, support for HV extender
- Cable trays, power and racks on the cryostat roof
- And in general what is NP02 specific

Open points?

Vertical cable trays
- Cables and vertical cable tray assembly are quite heavy. Will the stud sustain the weight?
- Installation of cable trays and cables at the same time? What about the fibres?
- Weld 'anchors' on the membrane?
- Single cable tray on the man hole wall (not representative of the DUNE configuration wrt the field cage)?
- Cable path must be compatible with TCO closure.

DSS
- Dedicated grounding of field cage support required?
- And the CRP supports?

Open points?

PDs/Cathode
- New cathode installation sequence decoupled from CRP lift?
- Sequence of how fibres are routed on the cathode?

Field cage HV
- Route and penetration for field cage termination bias not defined
- accessibility after field cage completion

CRPs
- Penetration(s) for the top biassing and instrumentation not defined
- Need to define how to bring in bottom CRPs and how to install them
- Cryo pipes need to be there before, or installed in a second stage?

Vertical cable trays

20.649mm

~29.995mm

750mm