

Introduction

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Mini-Workshop on Calibration

July 26-26 2017

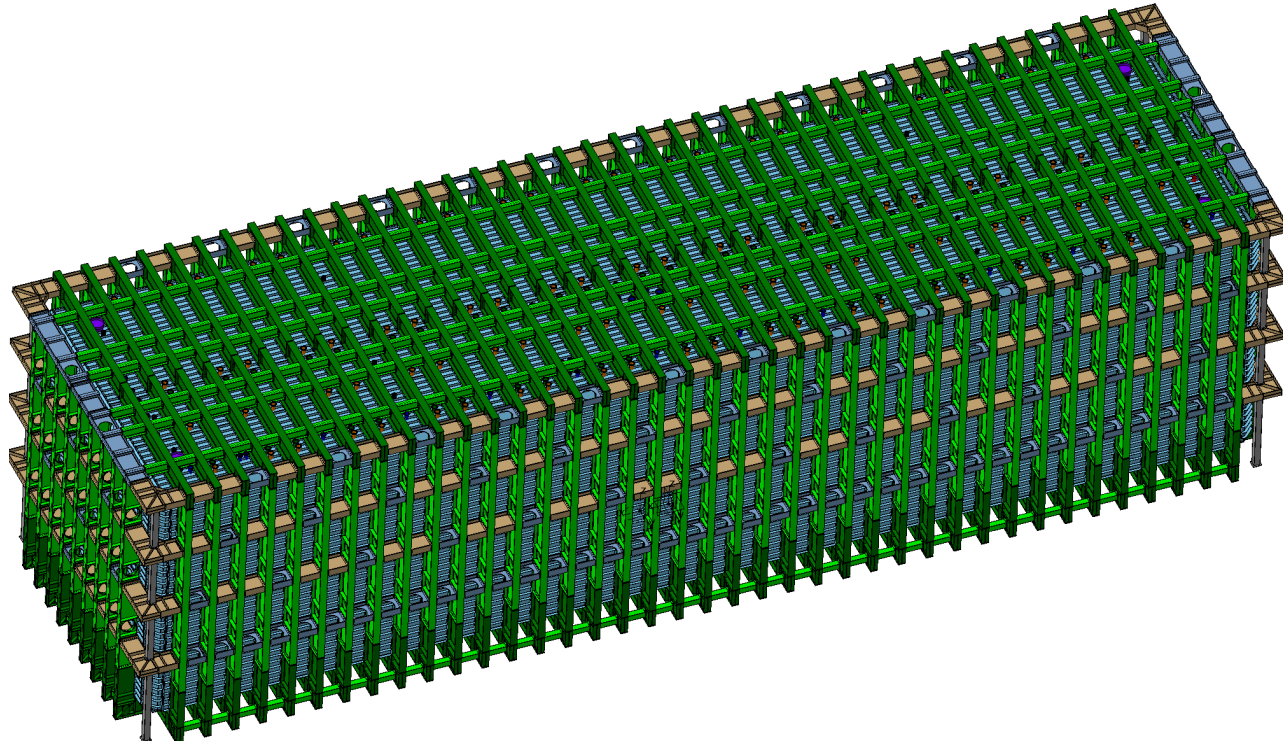
Welcome

- I would like to thank everyone who has agreed to participate.
- My goal at this workshop is to draft the starting text for a calibration concept.
 - The spokes people are forming a Calibration taskforce which will continue the work.
 - The schedule for the cryostat manufacture however makes it critical to get a good first evaluation of the cryostat interfaces including all roof penetrations now.

Cryostat Status

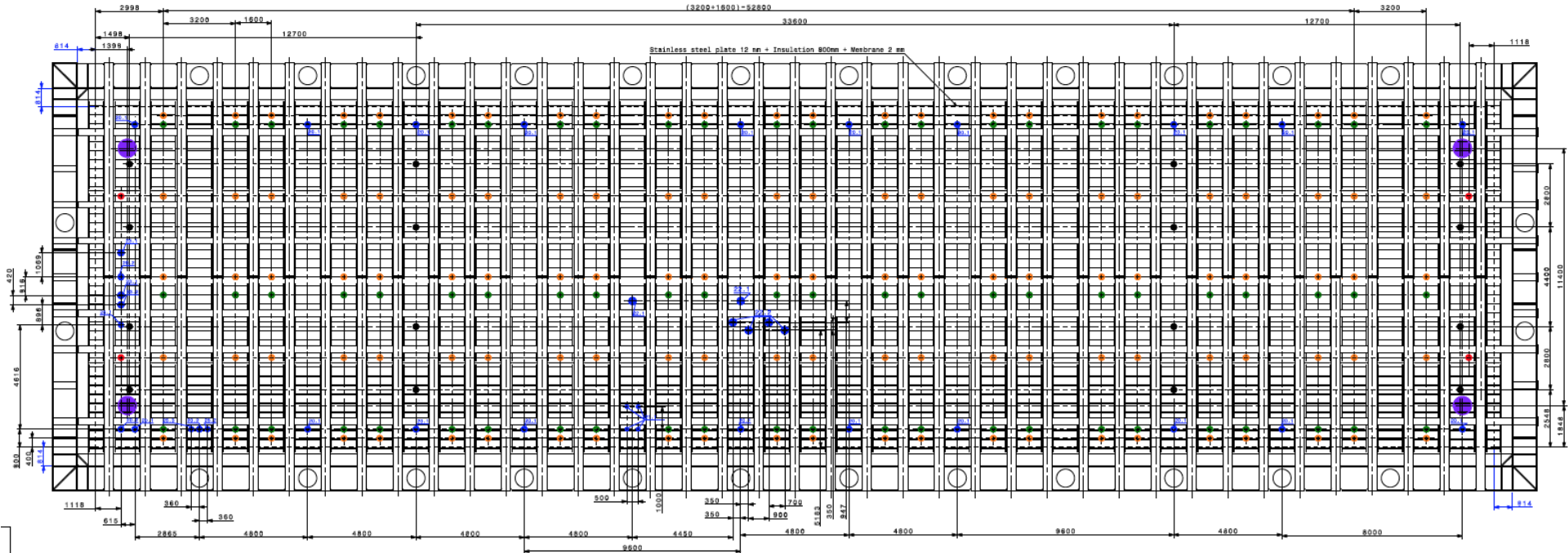
- In order to meet the delivery schedule for the first detector the engineering for the first cryostat must start in January.
- This requires approval at the September 27 CERN finance board.
- In preparation for the finance board review the Cryostat design will be reviewed on August 21 and 22.
- In order to have everything ready for the review the detector needs to specify its interface by the end of **July**.

Cryostat Status



- Mechanical design is well advanced.
- The detector support feedthrus are converging rapidly.
- Work is needed on the switchyard and installation rails.
- A concept draft for thermometry and gas monitoring exists
- Calibration remains one of the biggest open topics.

Present Penetration Pattern



Detector penetrations

- Detector support and spray nozzle crossing tubes will have mini-conflat and CF63 ports for gas purge and thermometry.
- Endwall instrumentation flange will also have thermometry.
- What is missing!!!

Pos.	Diameter [mm]	Quantity	Description
1	Ø250	120	Support
2	Ø250	72	Cable
3	Ø250	4	High voltage
4	Ø250	16	Instrumentation
5	Ø800	4	Manholes
			Photon Gain Monitoring?
			Laser System?
			Spares?