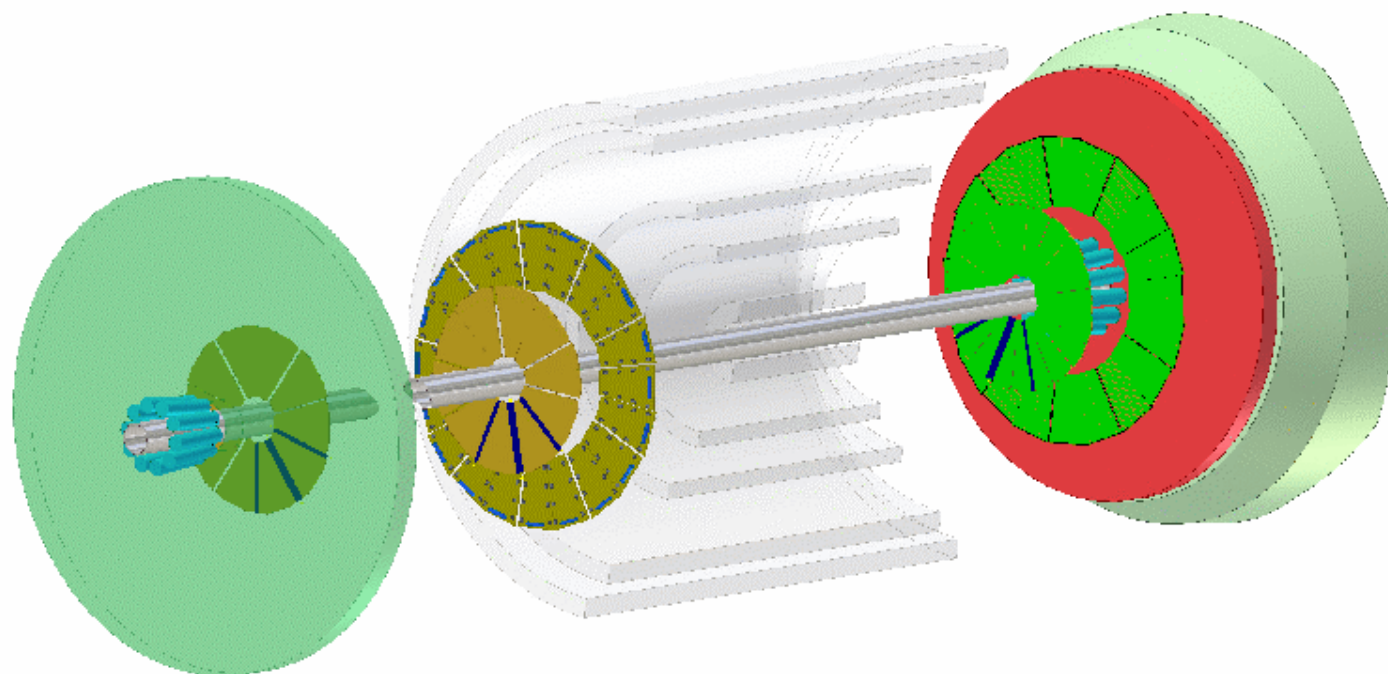
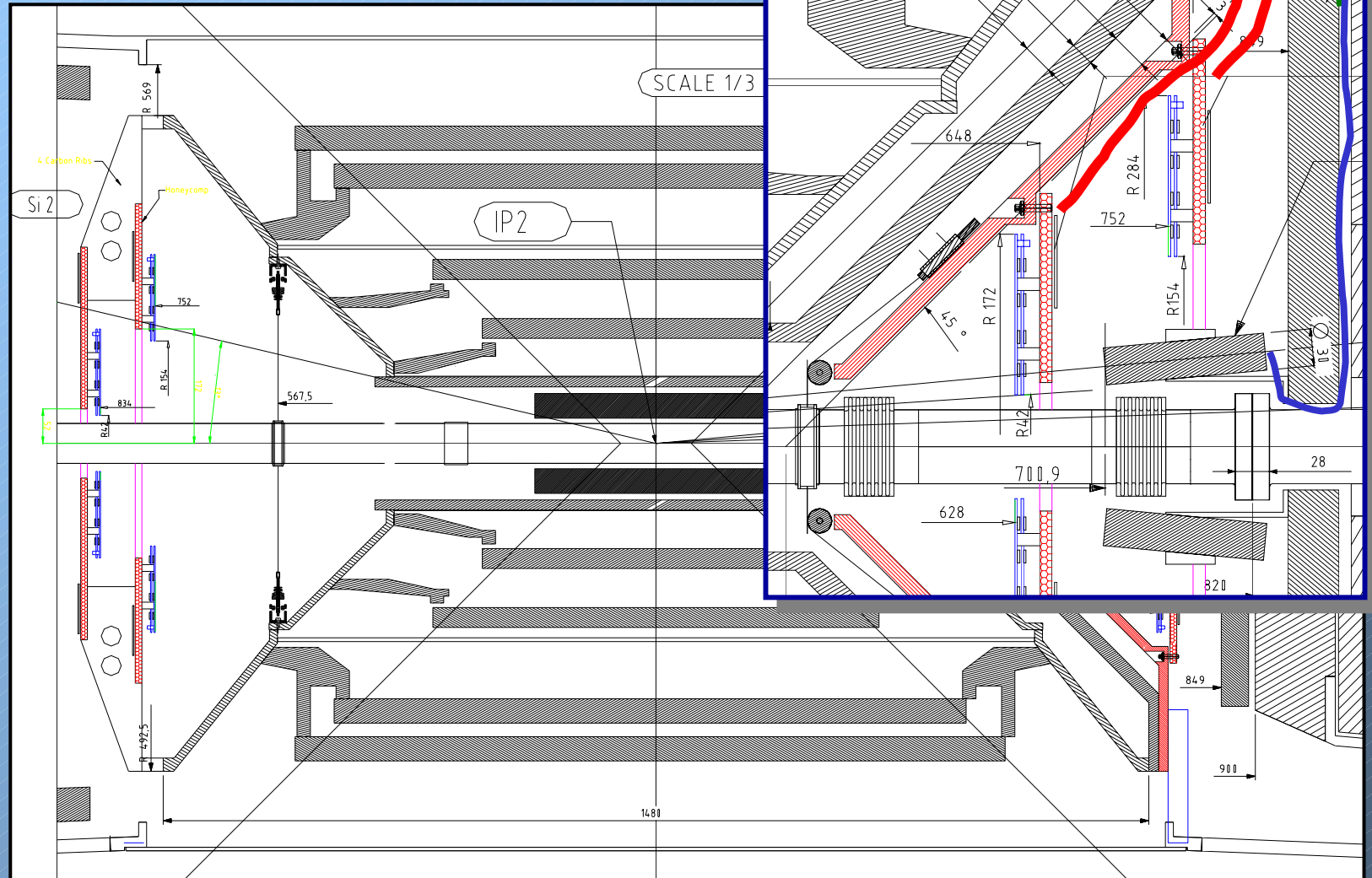


1. Status of FMD (w/ emphasis on new developments/open issues)
 - RO strategy: revised/simplified
 - FEE hybrid: concept settled/negotiations with vendor completed
 - Si-sensors: last stages of negotiations with manufacturers
 - integration/beam support: RB24 settled/ongoing
RB26 details missing
 - temperature conditions on RB24 side still not defined/solved
2. Status of joint Forward Detectors TDR
 - still undecided issues for T0,V0
 - main strategy decided/described for FMD
 - TDR framework (CVS) exists.
 - FMD-TDR text exists. Editorial work ongoing/advanced
 - Timescale for joint TDR? Maintain joint TDR concept?

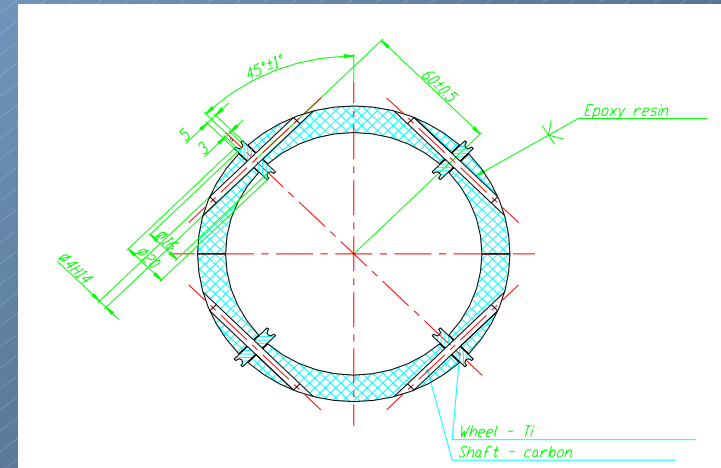
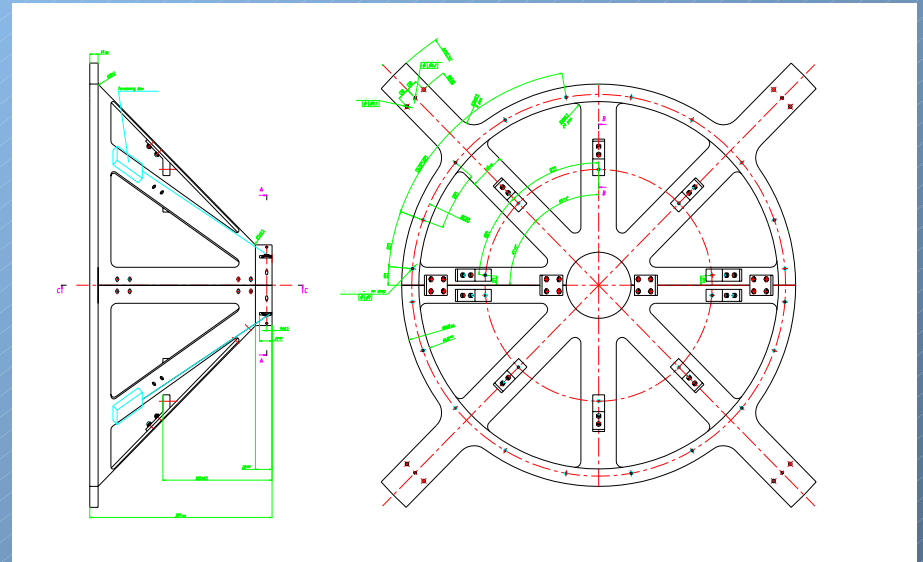


Integration



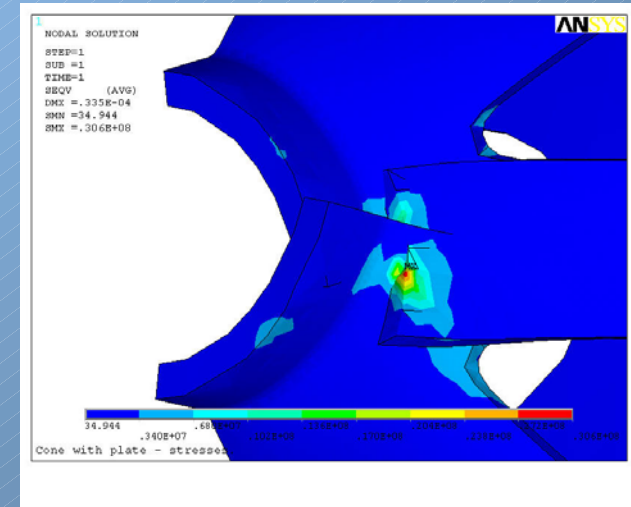
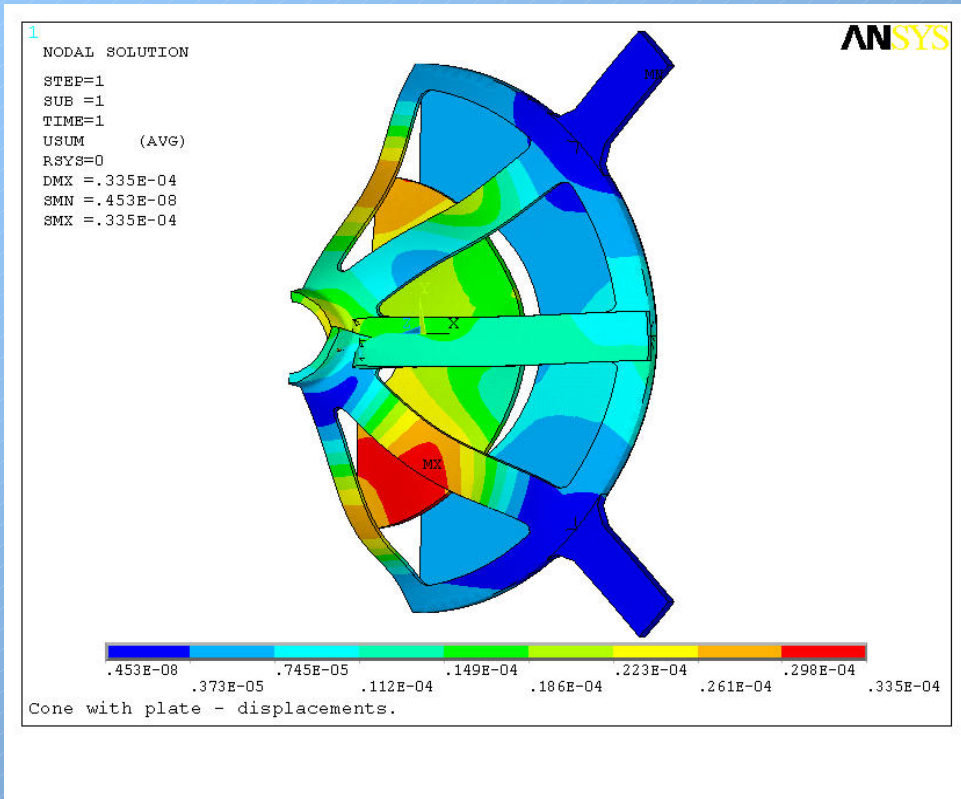
Beam and FMD support cone RB24 side

ALICE FMD, TO, VO



Finite element calculations of beam pipe support

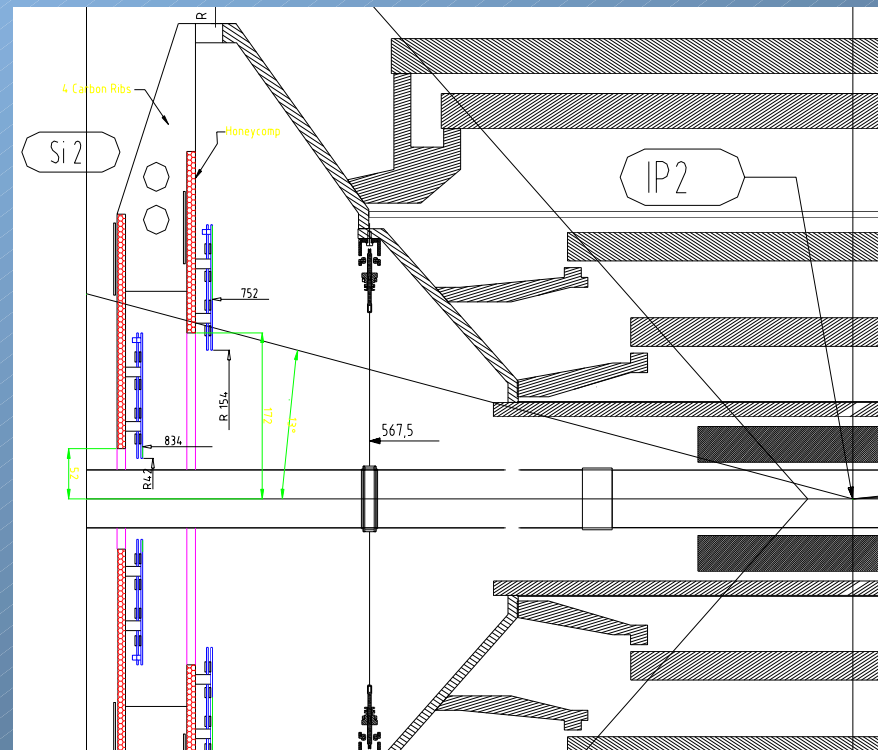
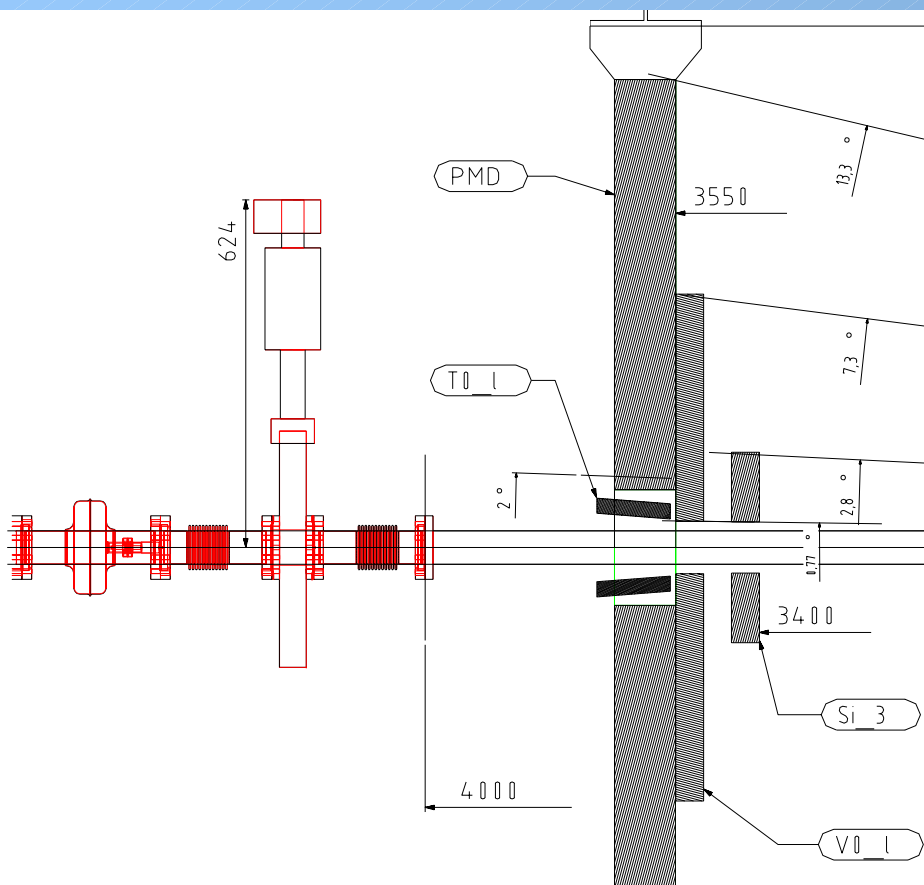
ALICE FMD, TO, VO



**Prototype beam-pipe
support structure
(crucial for LHC)
in construction at NBI.**

RB26 Side: FMD2 & FMD3

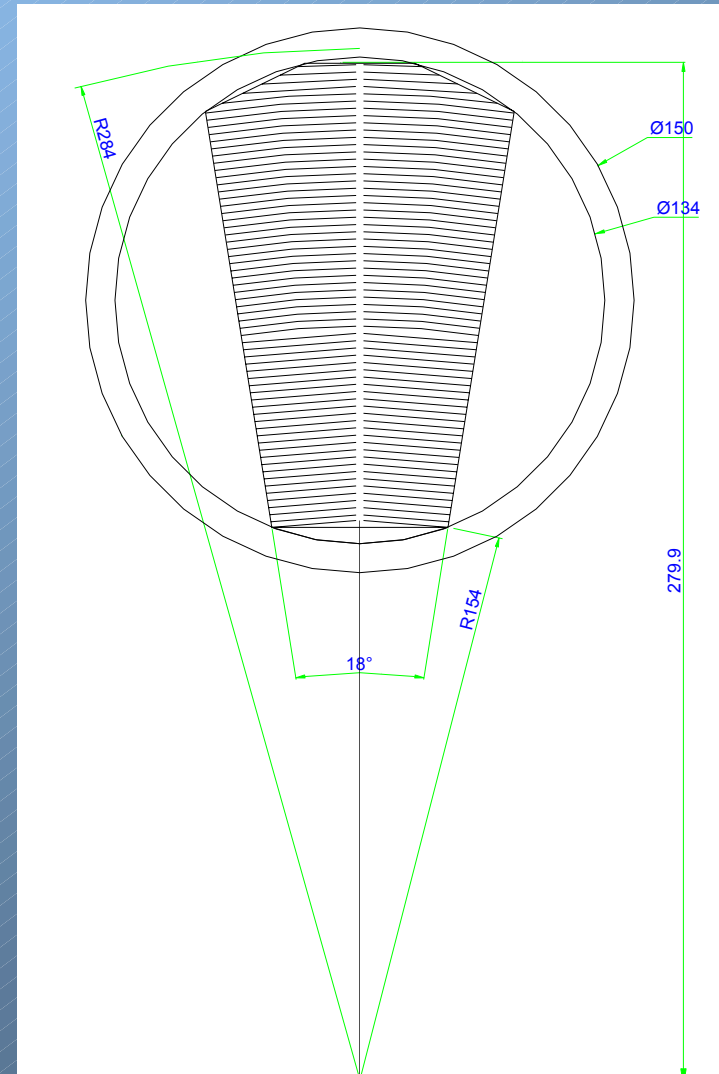
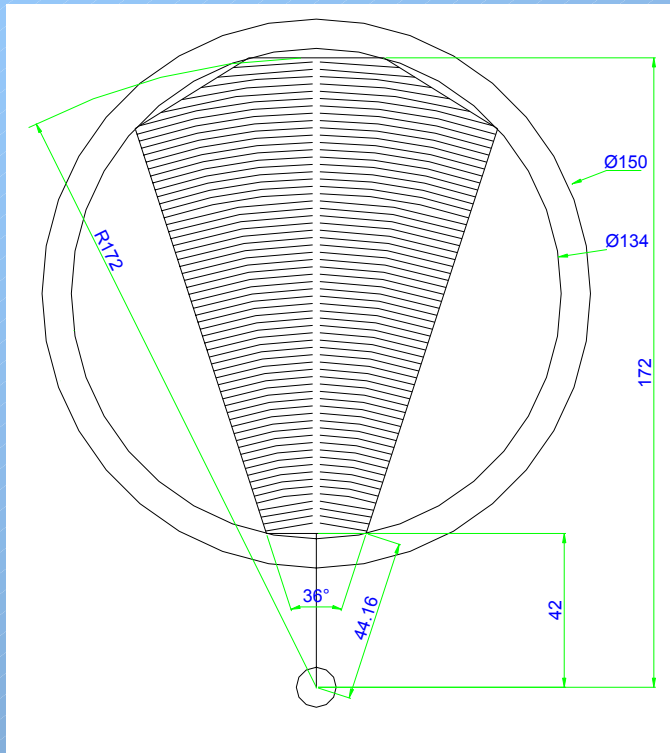
ALICE FMD, TO, VO



Details of mounting not settled or designed !!

FMD sensors

ALICE FMD, TO, VO

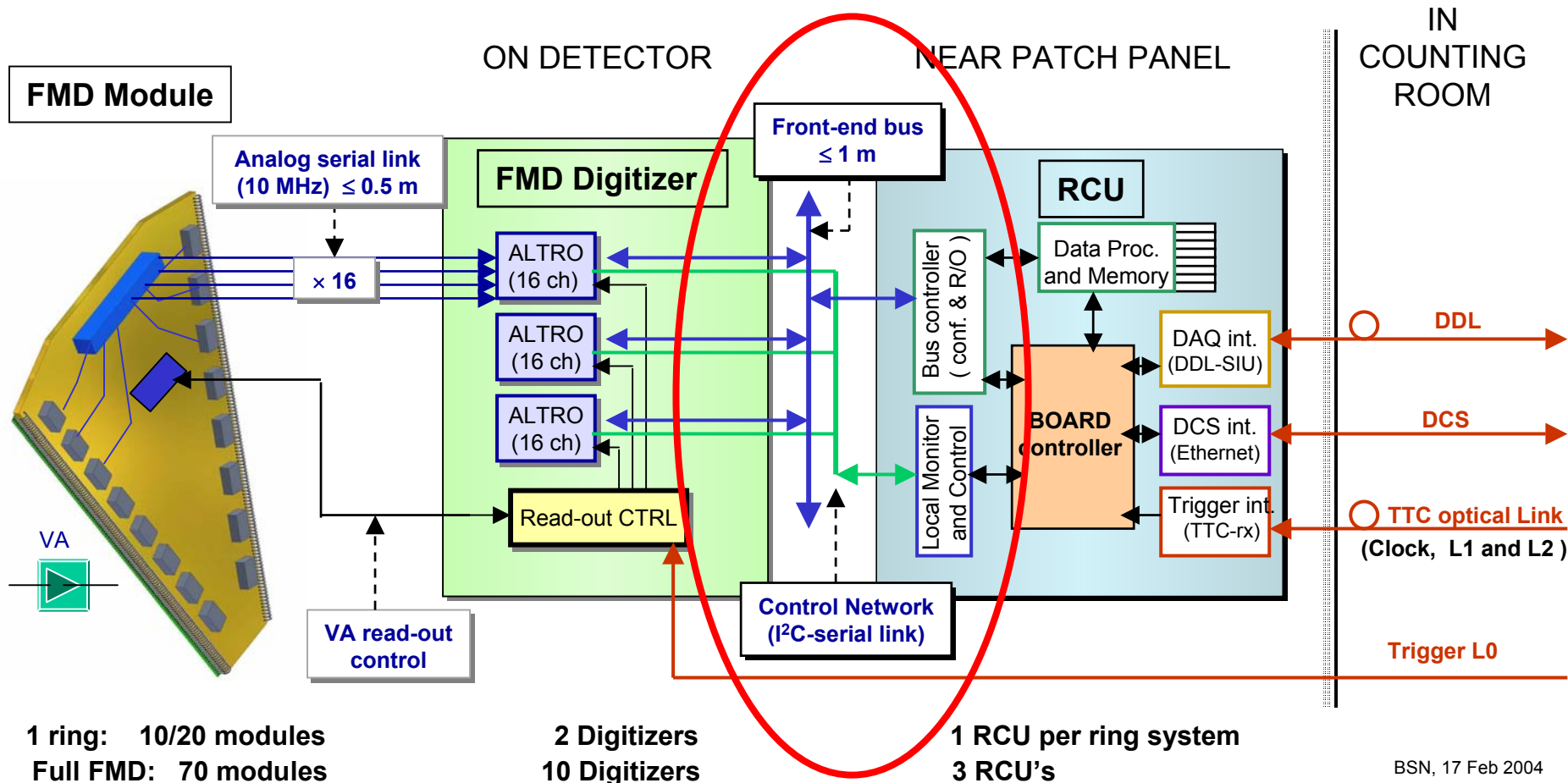


Specs defined.

Supplier identified.

**Final negotiations with
(Micron/Hamamatsu) ongoing.**

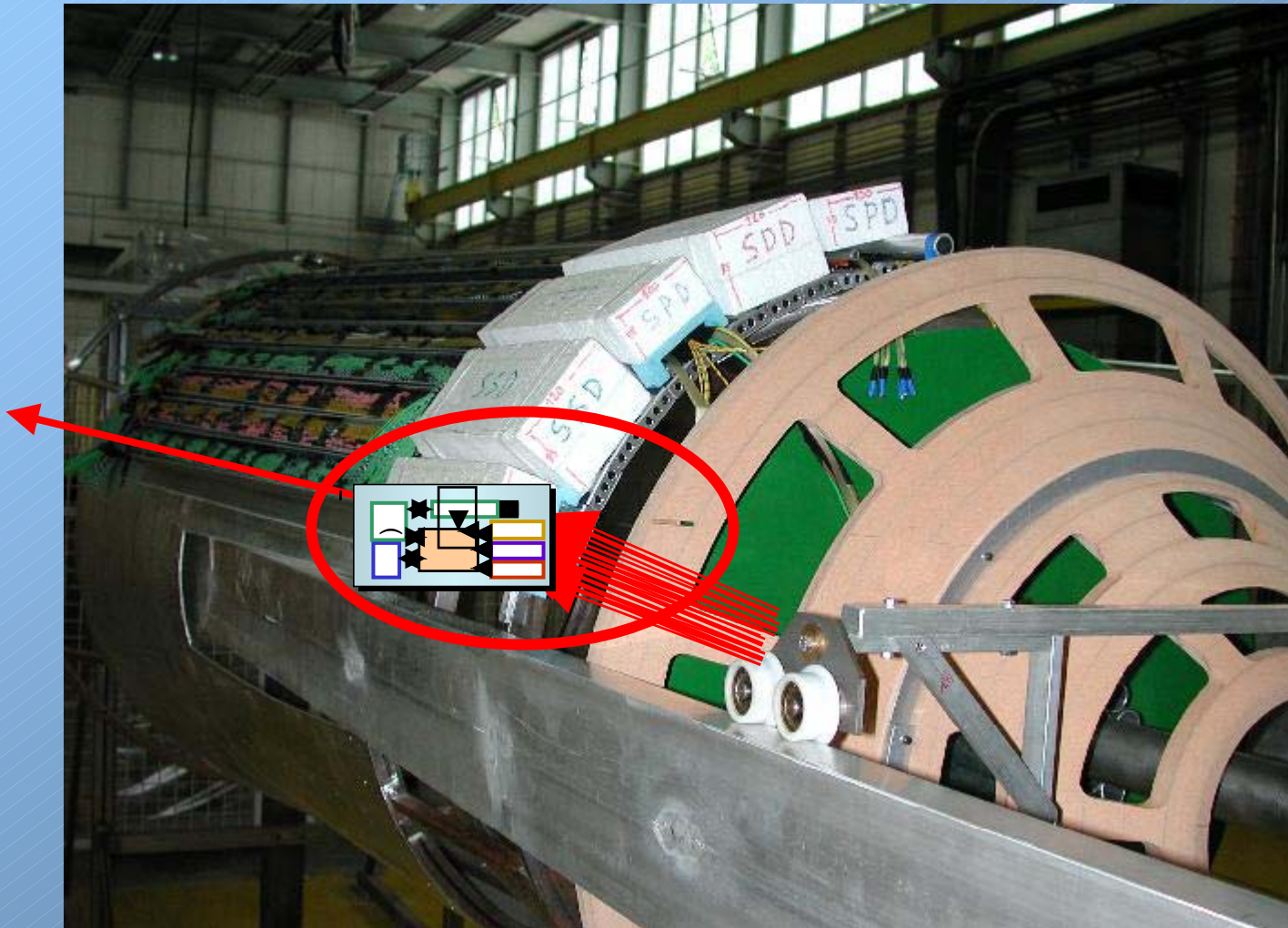
FMD Read-Out and Control Electronics



BSN, 17 Feb 2004

Proposed new RCU location

ALICE FMD, TO, VO



A serious concern:

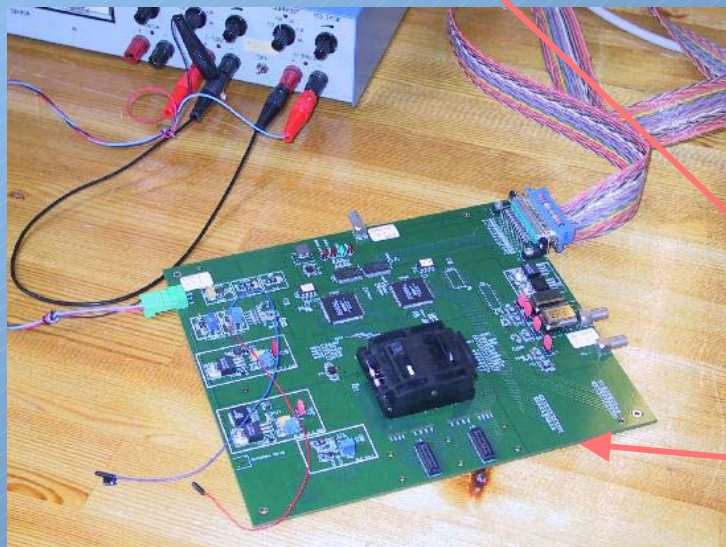
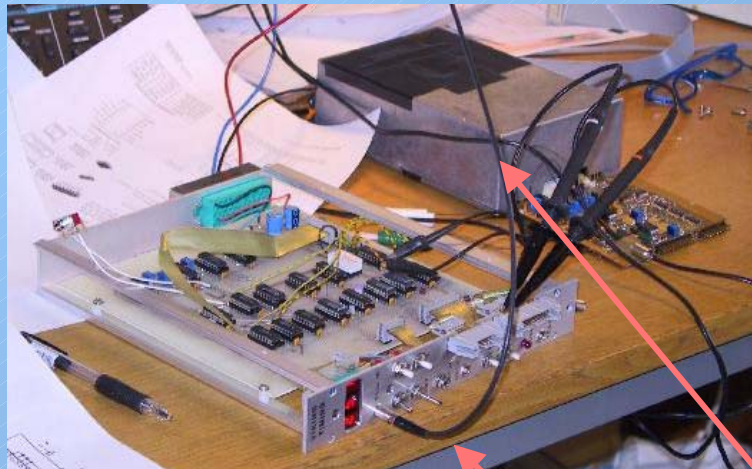
Temperature conditions inside cone not defined /unsatisfactory

Recent temp. Simulations indicate > 70 deg. C at FWD dets.
Location on RB24.

Substantial work on airflow etc. needed.

Si-PA-Dig proto tests

ALICE FMD, TO, VO



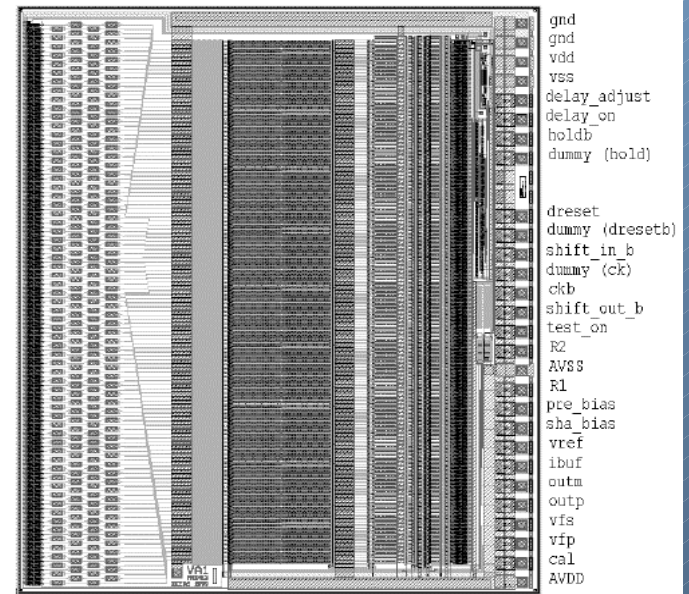
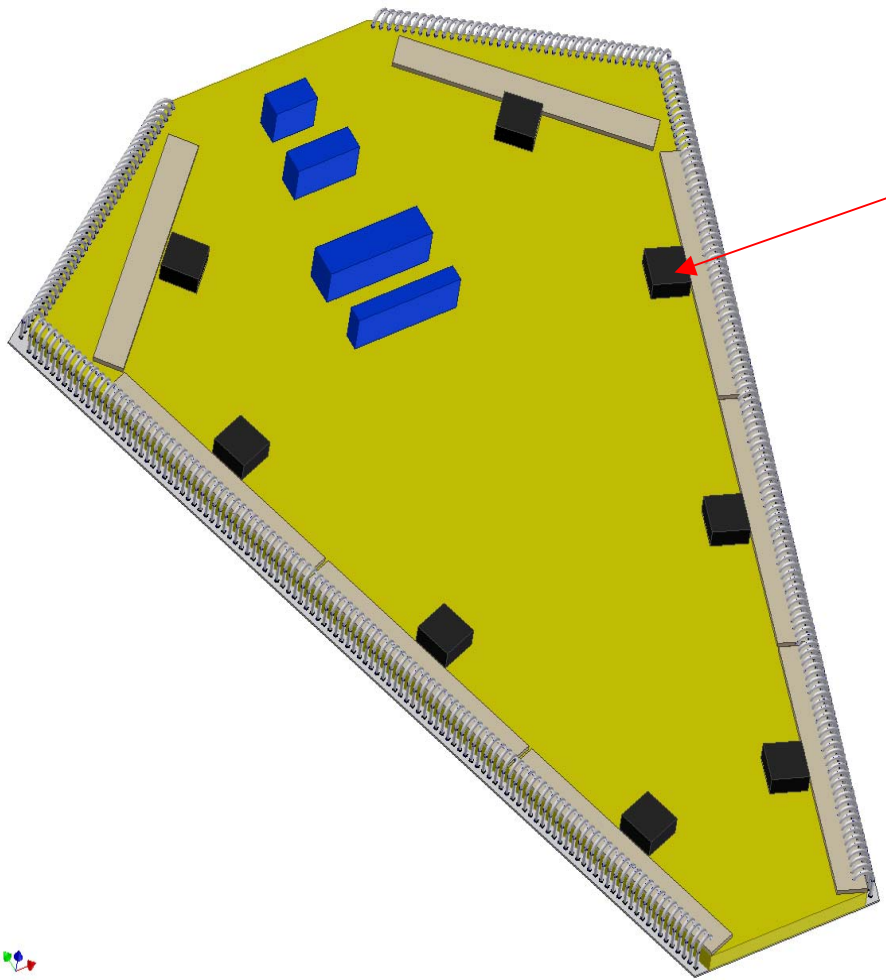
Si-strip detector
+ VA'' preamp

VA'' read-out controller

ALTRO tester

FEE: PA Hybrids

ALICE FMD, TO, VO



- Custom production of adapted VA1'''
- Hybrid design settled with IDEAS.
- Attractive price negotiated
- Bonding settled with CERN

- Significant differences in status of design of the different detectors is reflected in TDR preparation/status
- P.t: Common framework in CVS at NBI established/used
General guidelines defined
- Current content: A minimum of common chapters
3 subdetector chapters: T0
V0(12pgs wo/ figs)
FMD(40 pgs w/ figs)
- Timescale for TDR depends on requirements.
- Realistically: June 2004 is earliest.
Significant layout/editorial work needed/figs
- Do we wish to enforce common TDR?