

PROJECT MEETING

VACUUM VESSEL CONFIGURATION

OCT 16, 2001

M. COLE / T. BROWN

AGENDA

- **Modified Vessel Configuration**
- **RF configuration**
- **NB Port Configuration**
- **VV and Coils**

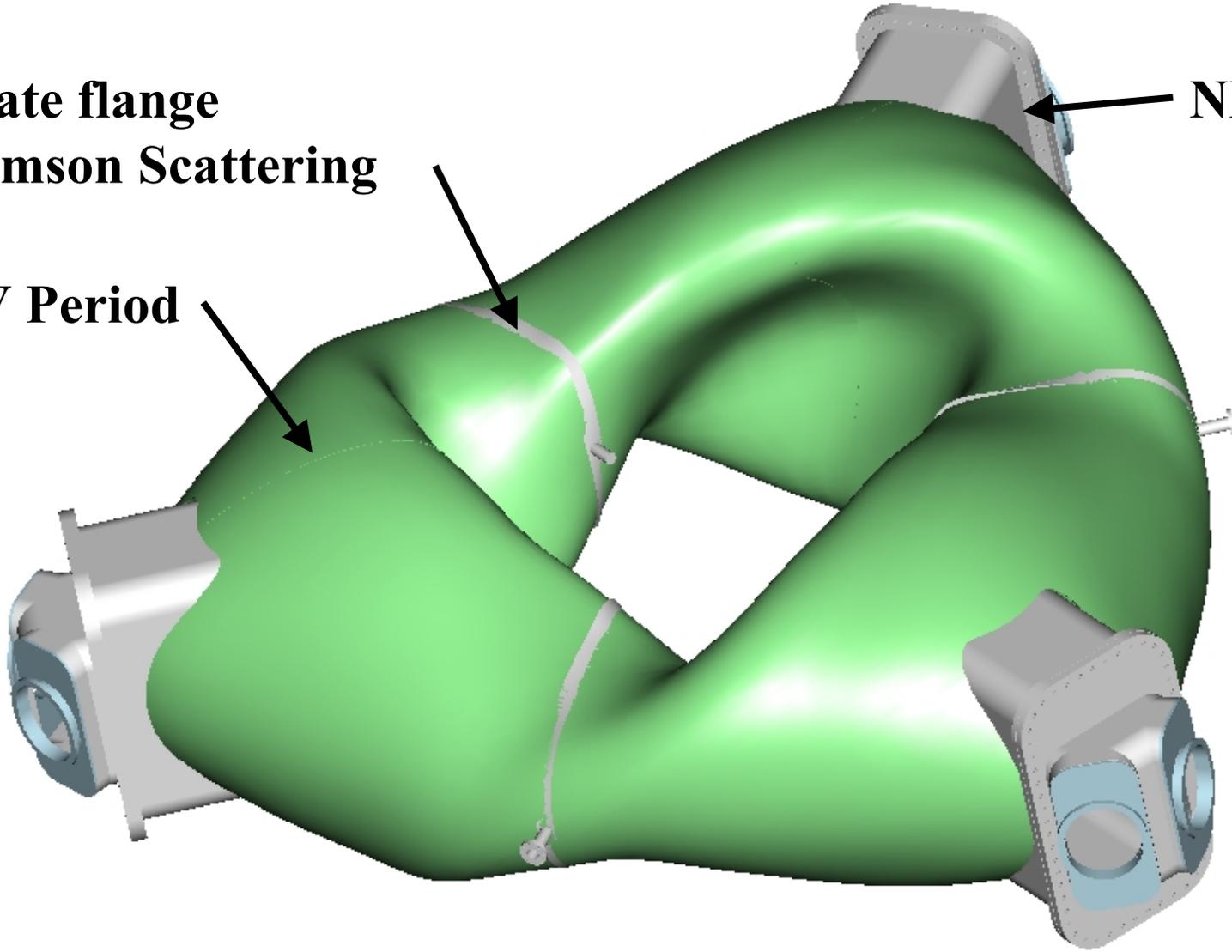
Modified Vessel Configuration

Oblate flange

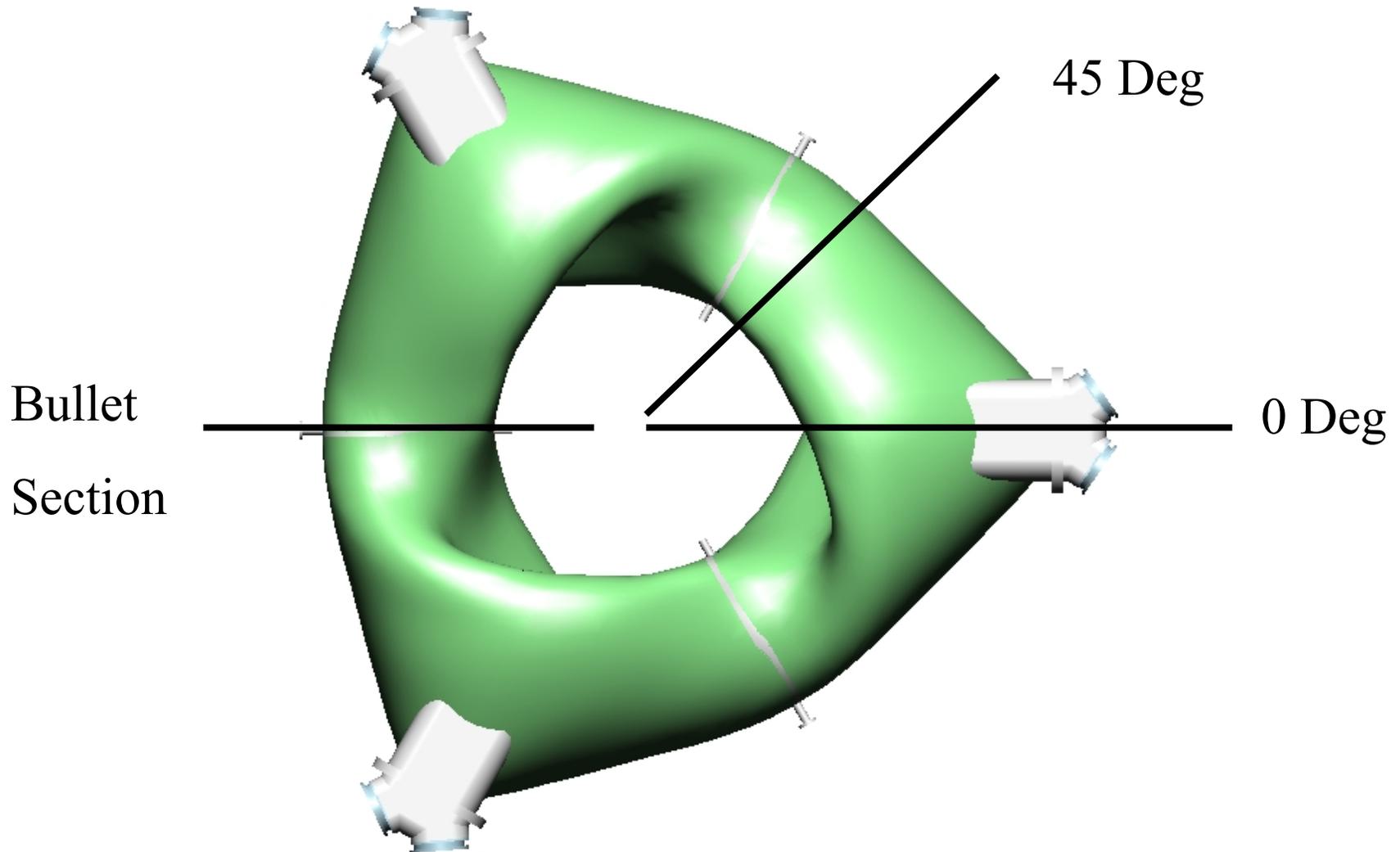
Thomson Scattering

VV Period

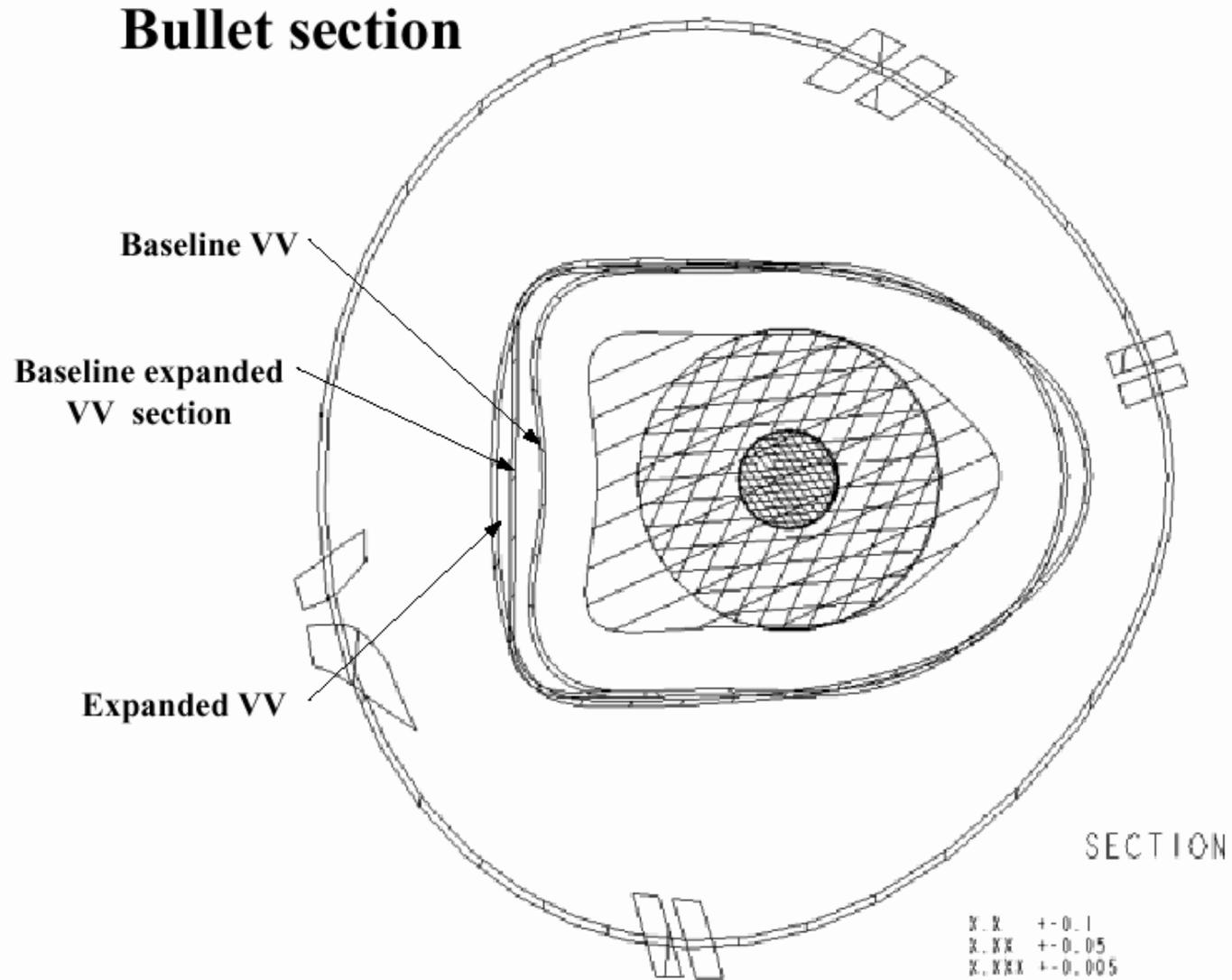
NB port



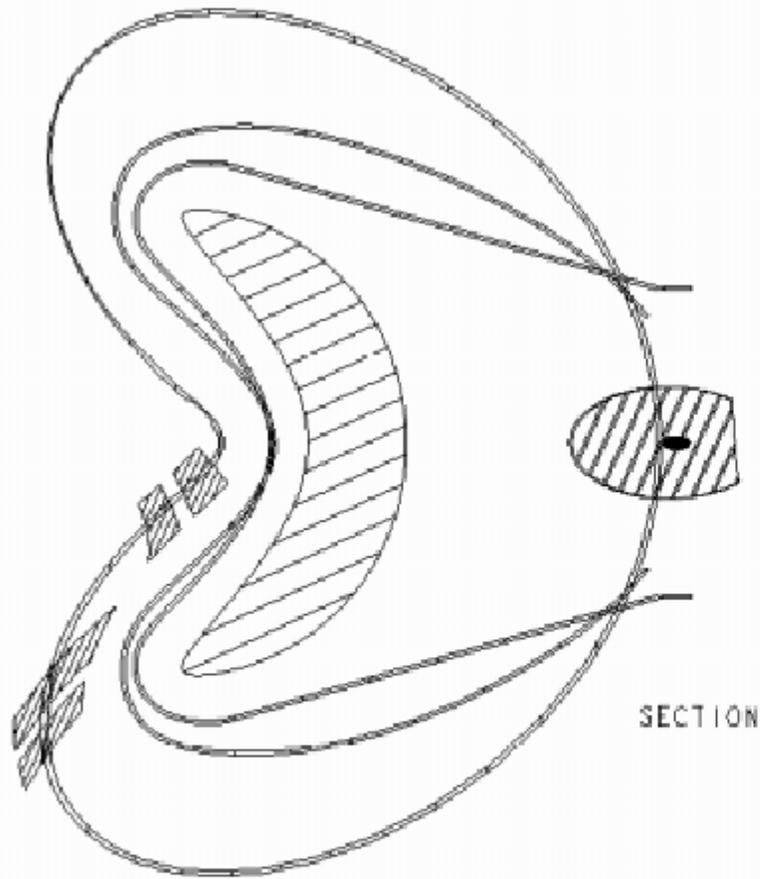
Modified Vessel Configuration



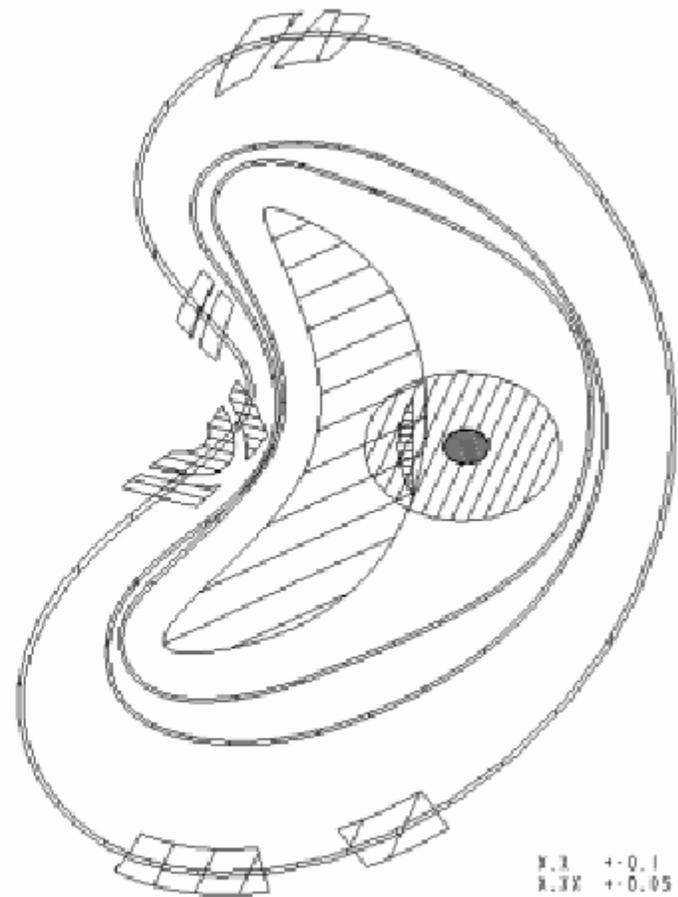
Modified Vessel with Baseline Vessel



Modified Vessel with Baseline Vessel

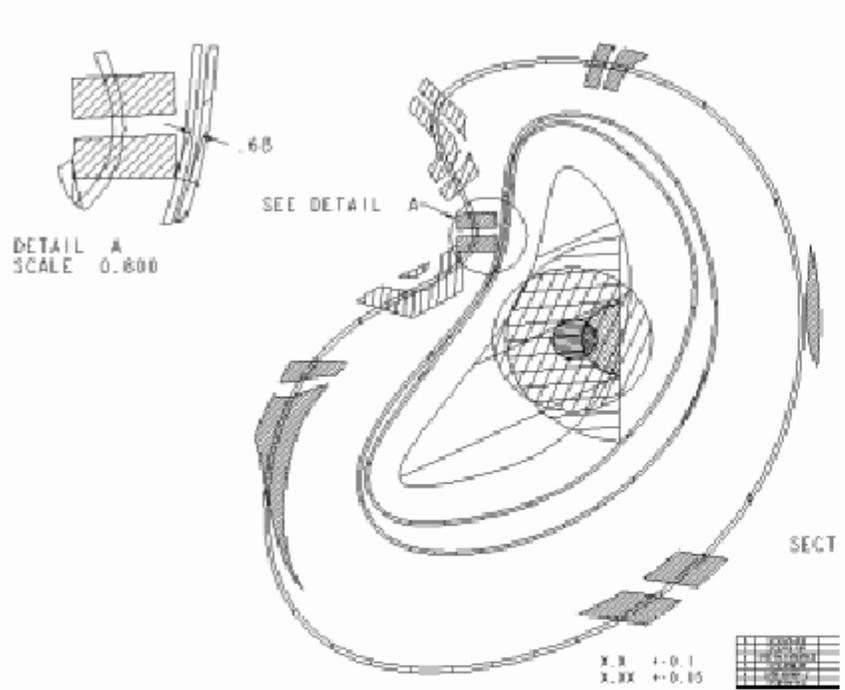


0° Section

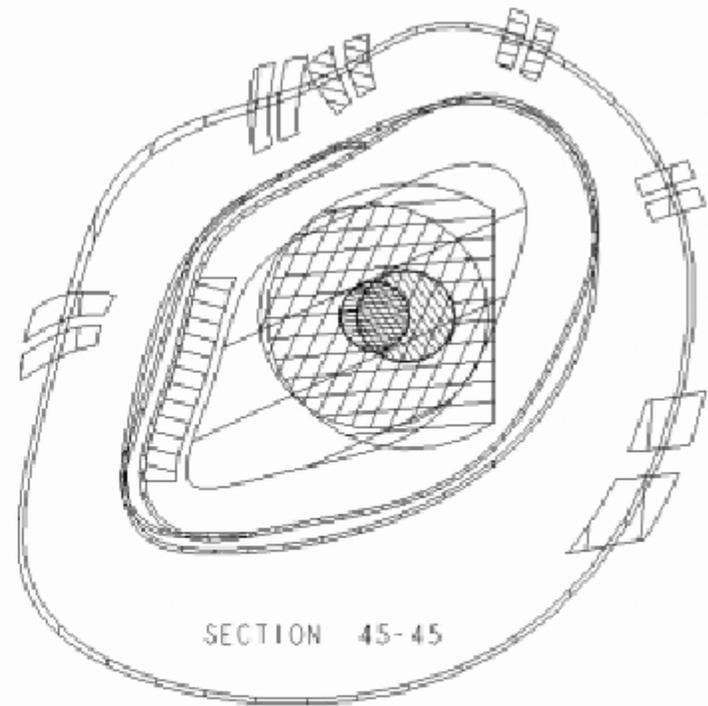


15° Section

Modified Vessel with Baseline Vessel

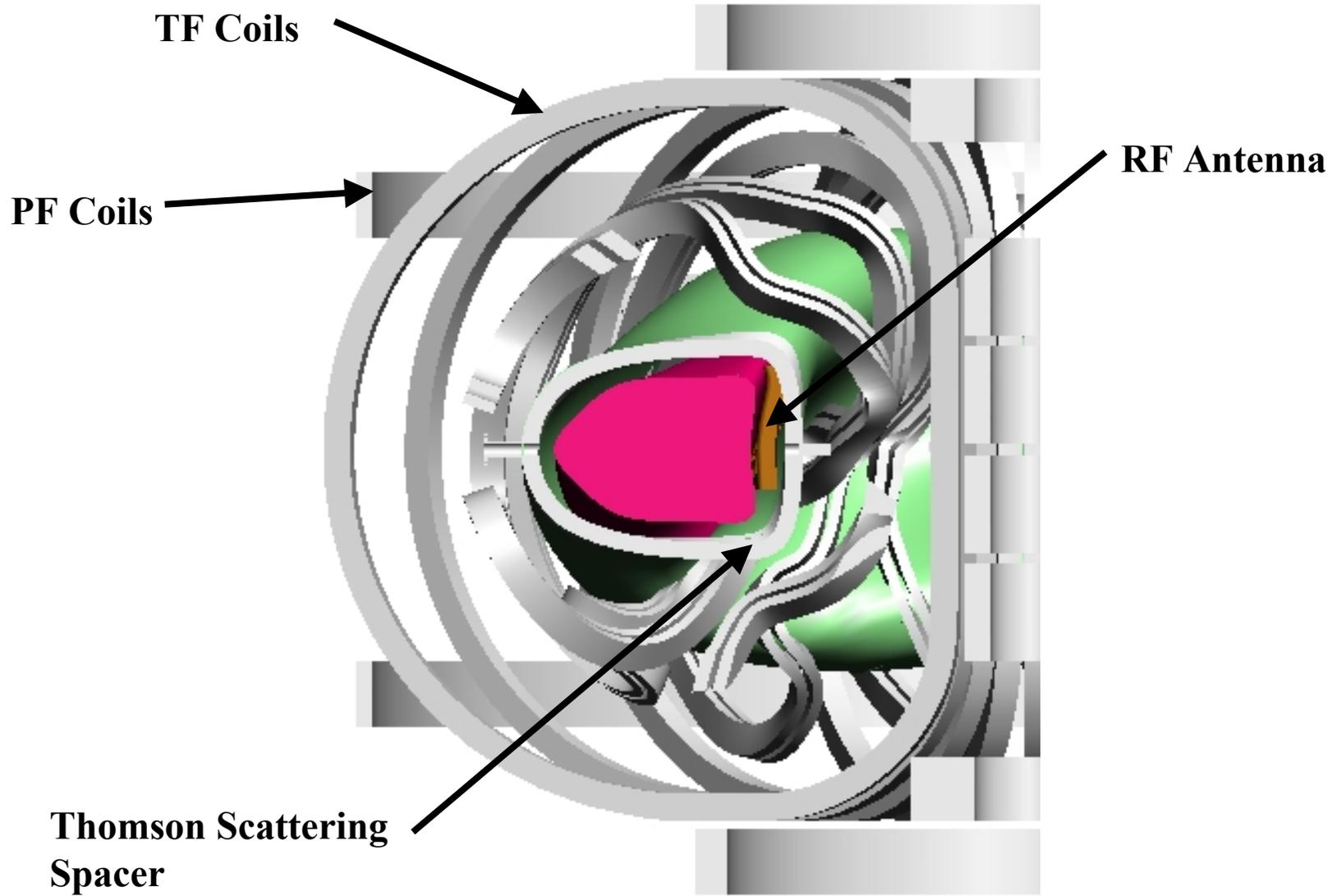


30° Section

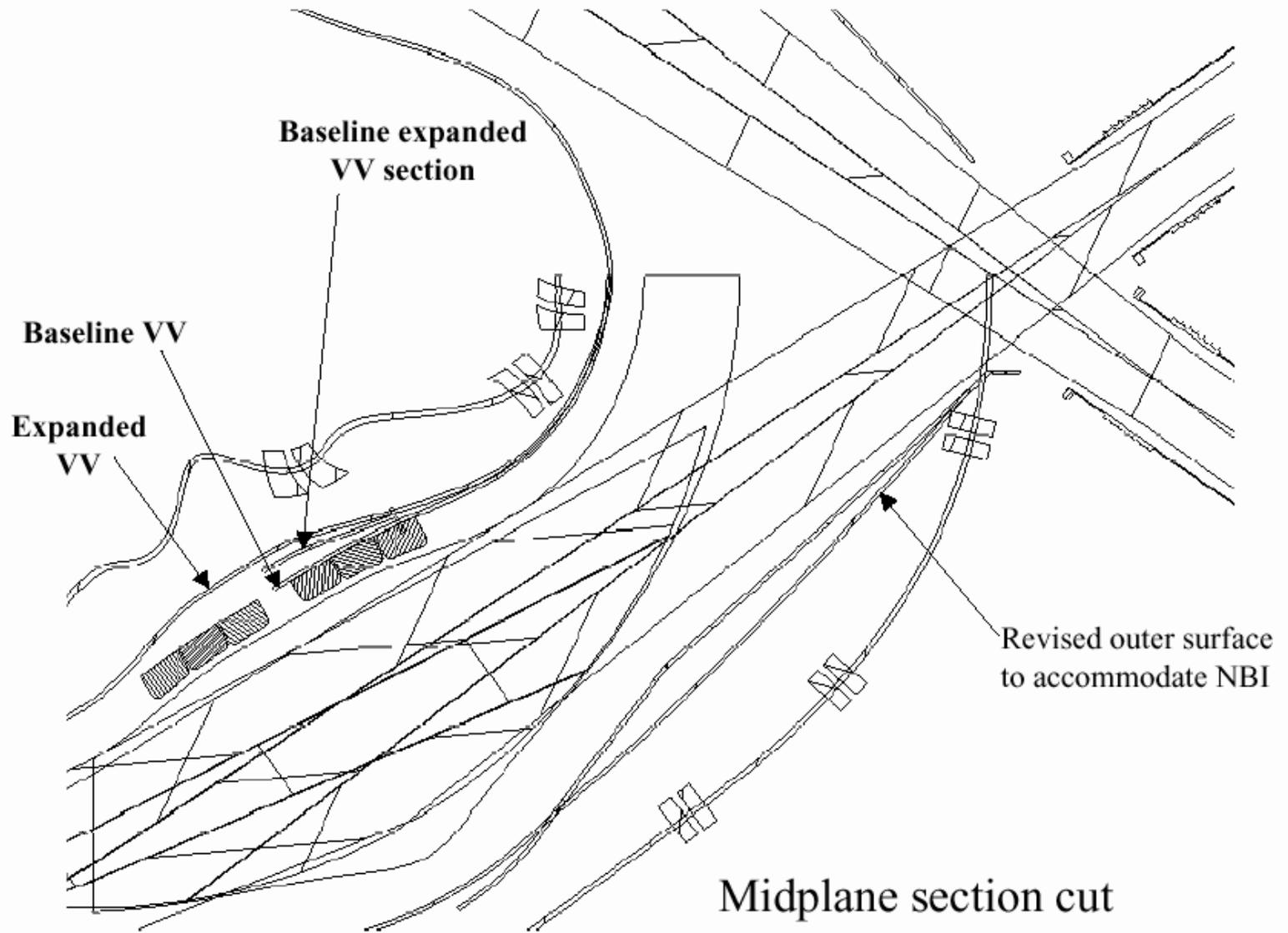


45° Section

RF Location in Modified Vessel



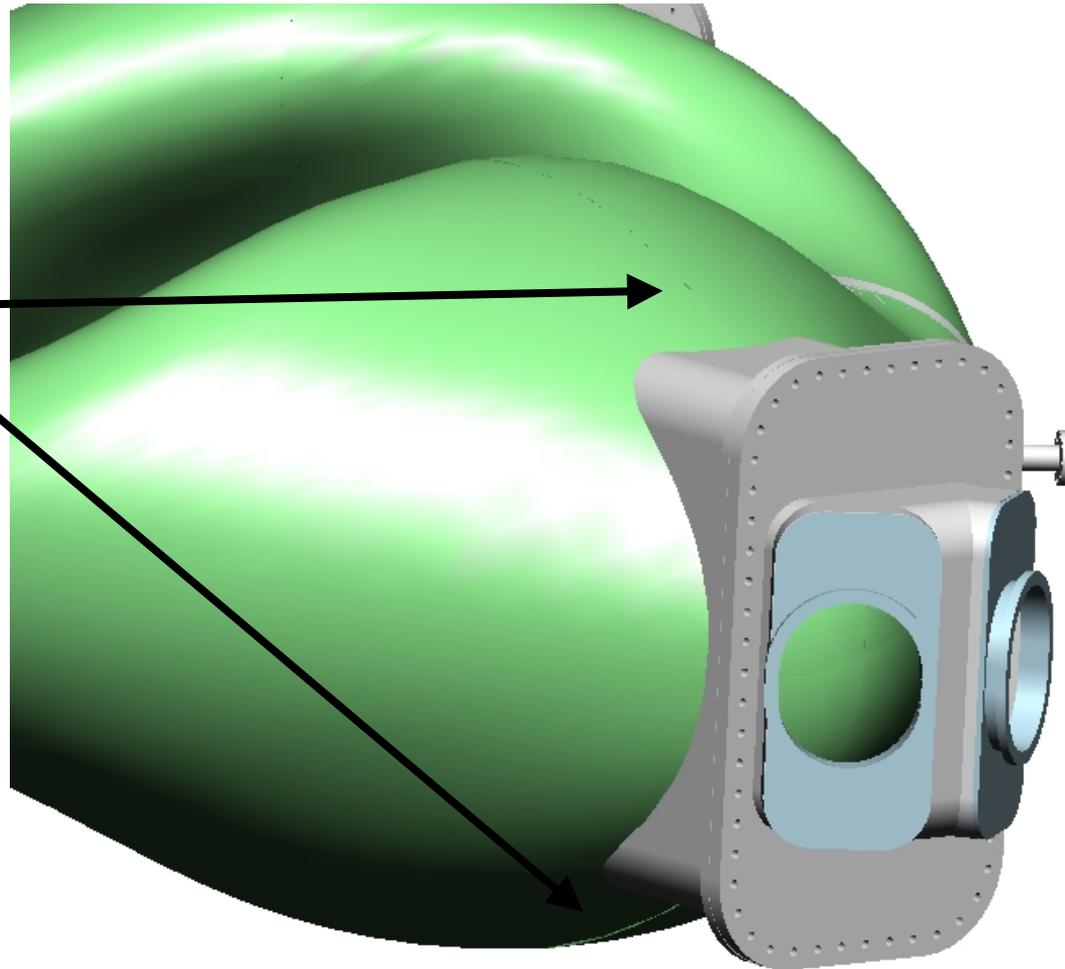
RF Location Plan View



NB Port

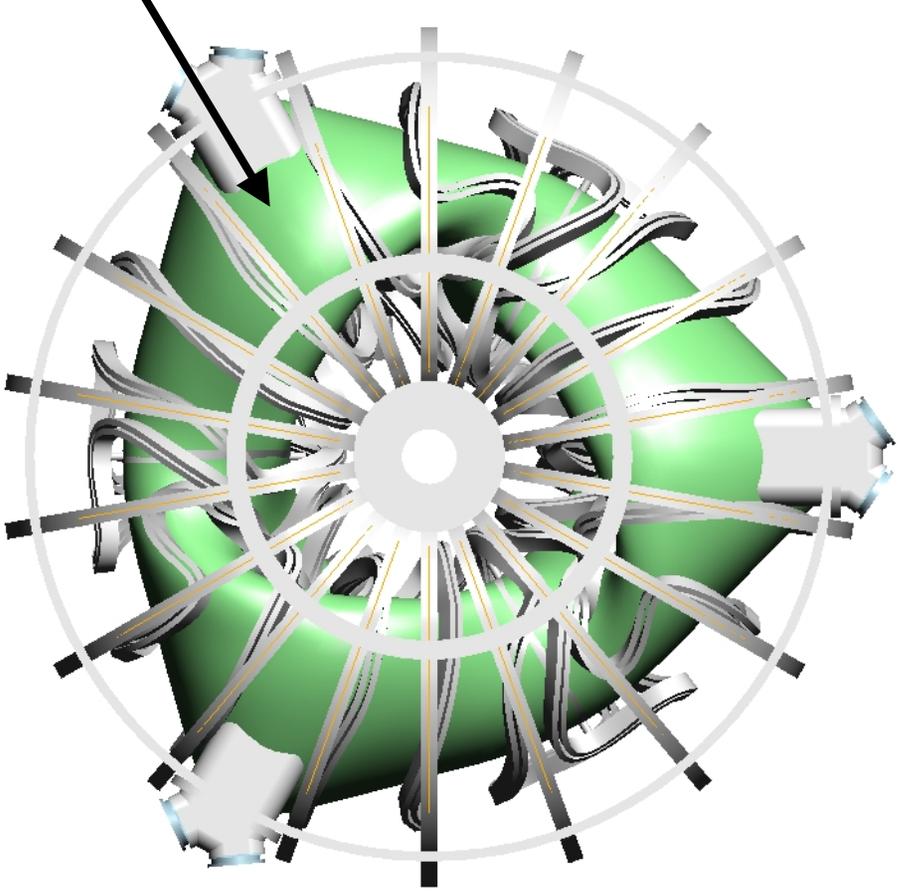
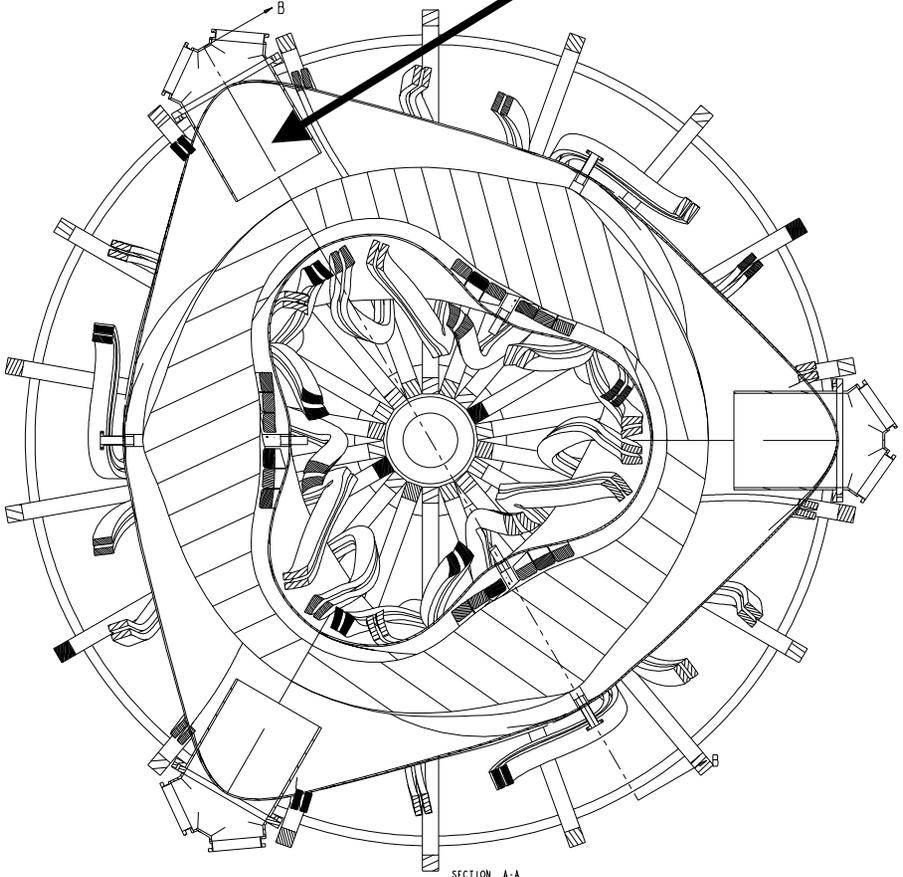
Basic configuration of the NB port has not been changed.

We are looking at expanding the port in this region to see if areas above and below the port could be used for machine access and Trim coil installation.

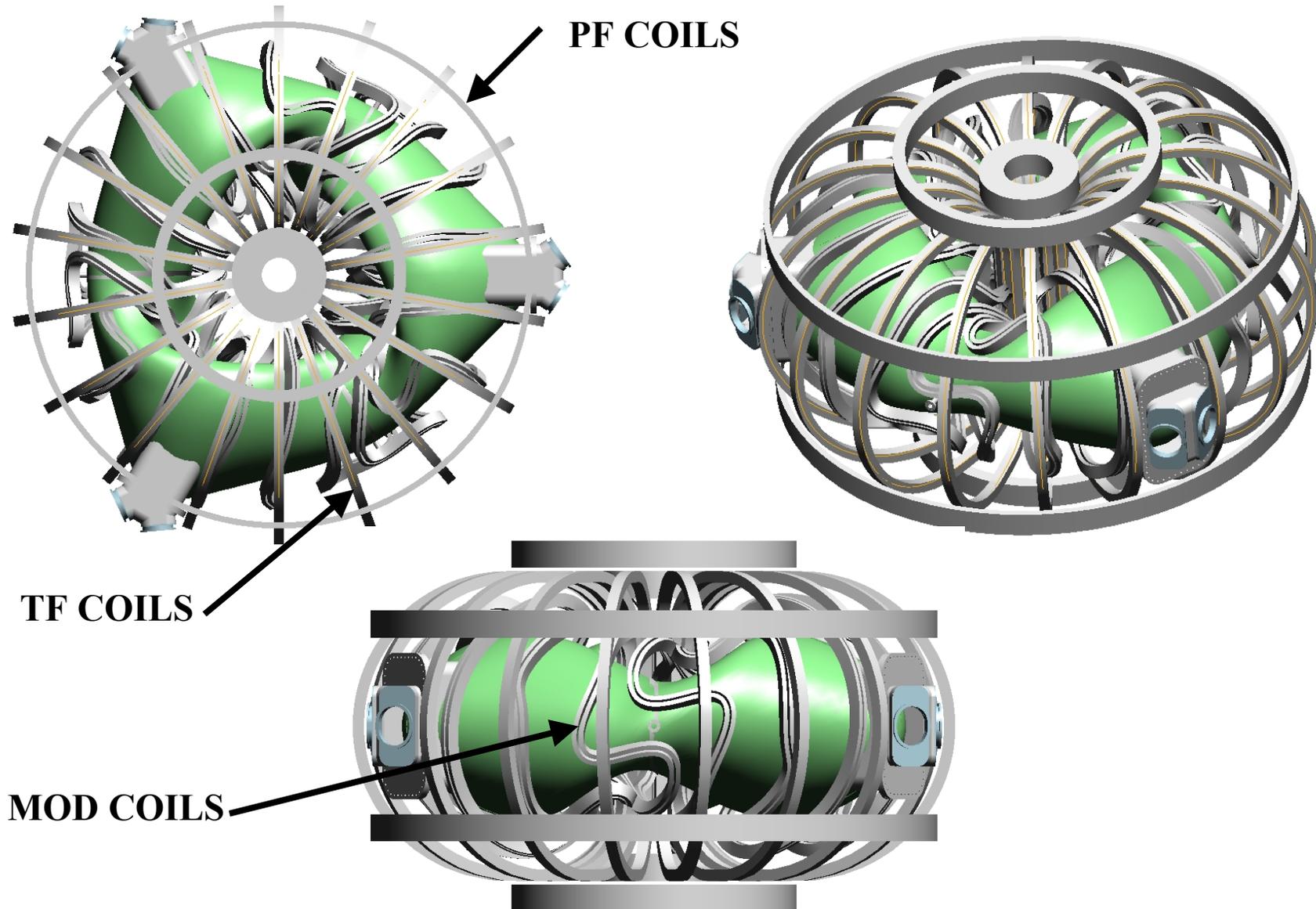


NB Port

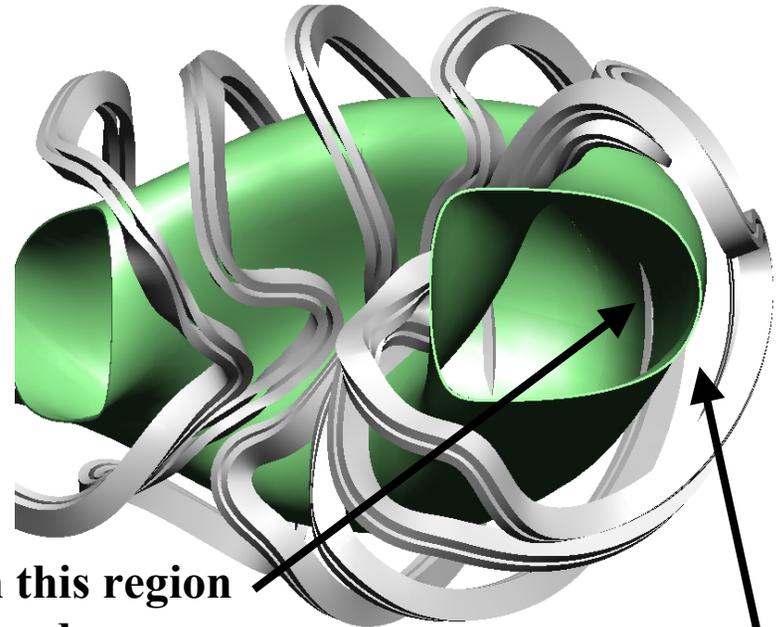
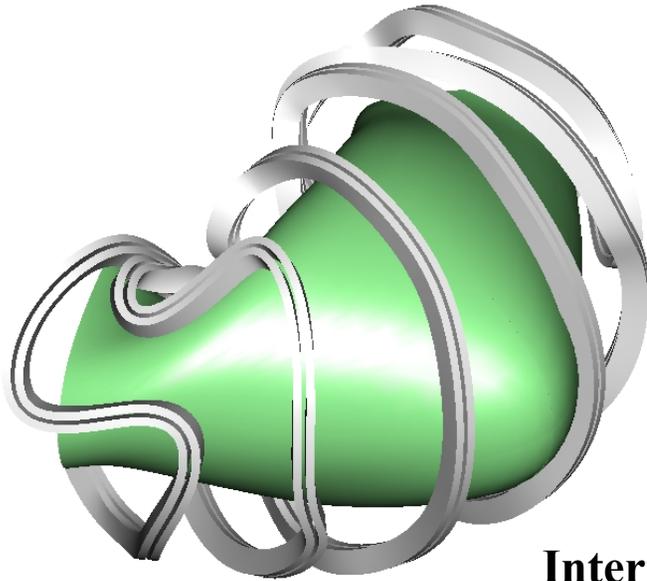
Open area for Access



VV and Coils

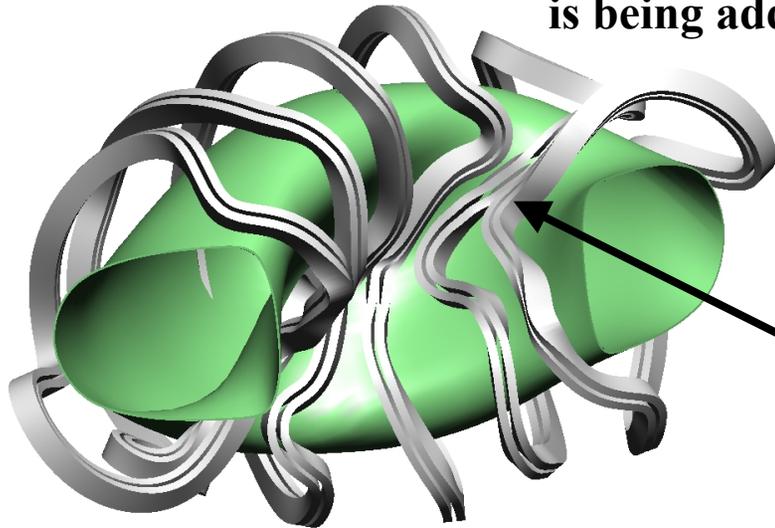


VV and Coils



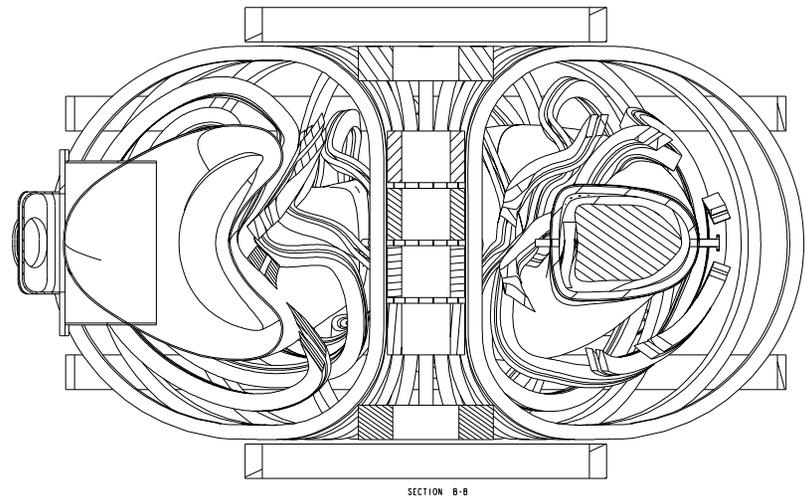
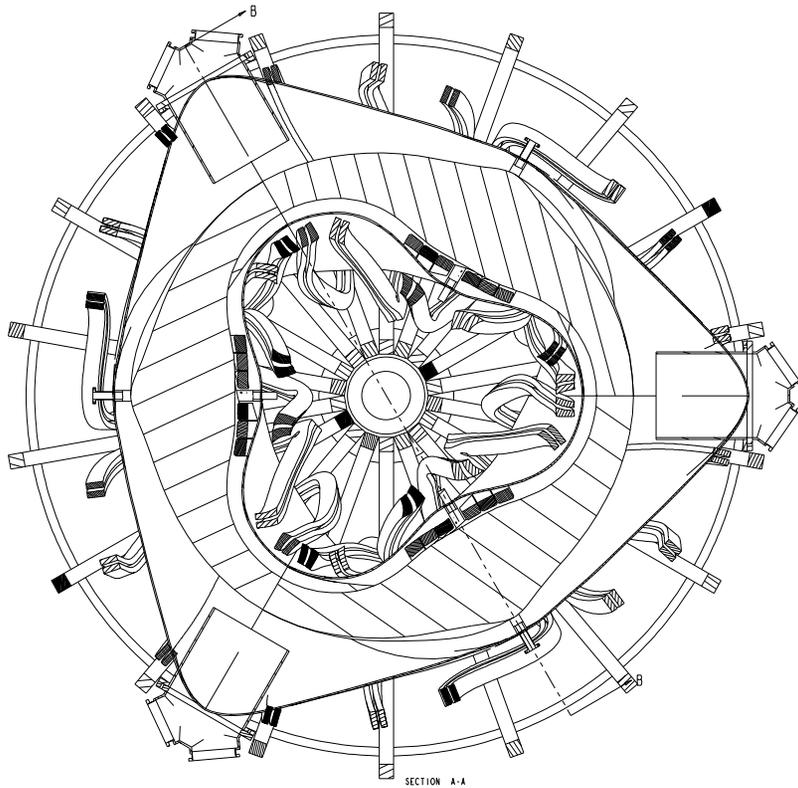
Interference in this region is being addressed

Mod coils appear to have clearance around vessel for assembly

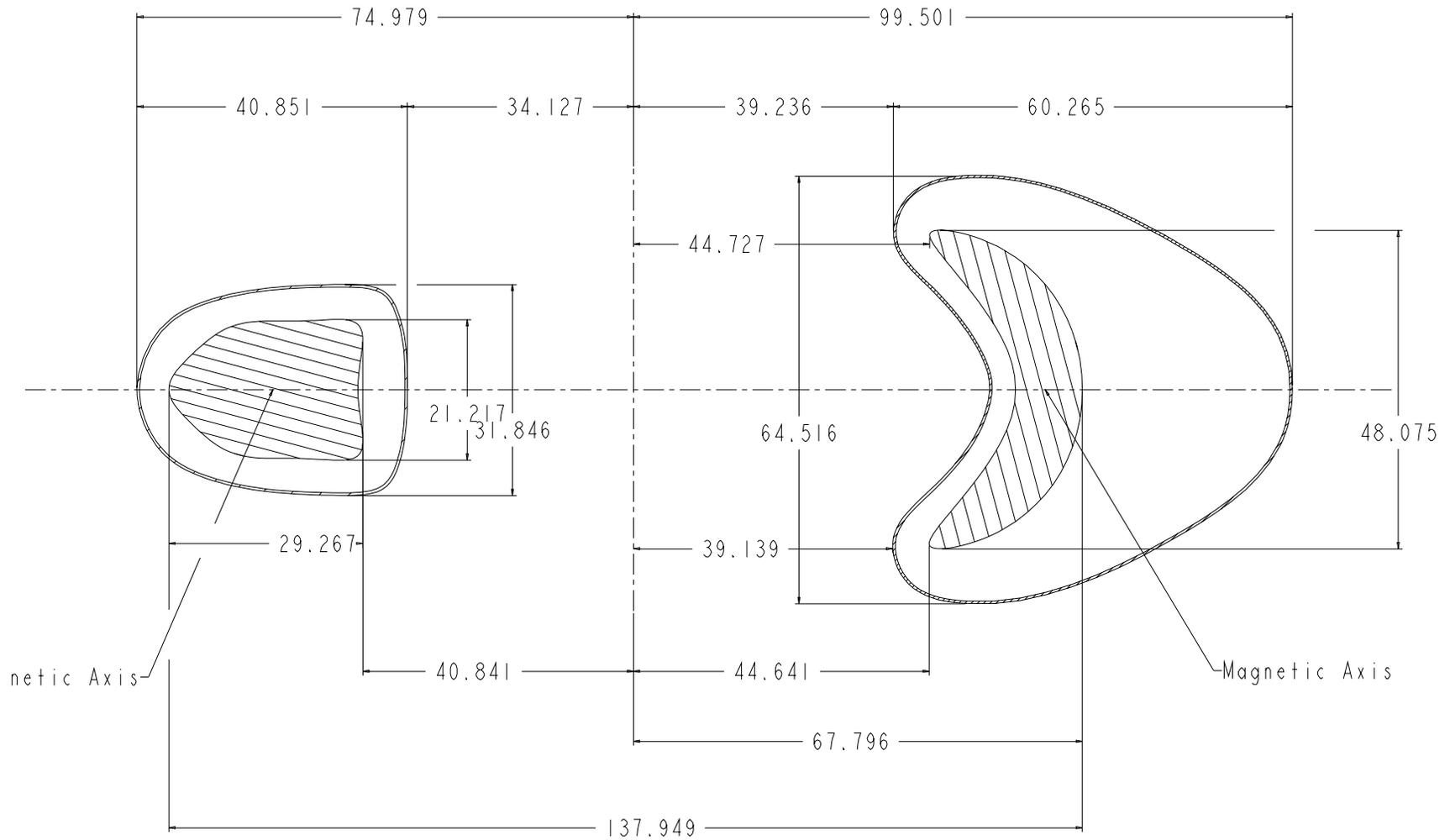


There is clearance between the mod coils and vv in this region. Work is continuing on improving coil configuration.

VV and Coils



VV and Plasma



sl6c-vv.asm

SECTION A-A

SUMMARY

- Diagnostic port access is to be done. As the coil definition and shell configuration is better defined we will add ports.
- NB area will be looked at for increasing access for maintenance and for trim coil installation.
- RF leads will be redefined based on area available for coax leads.