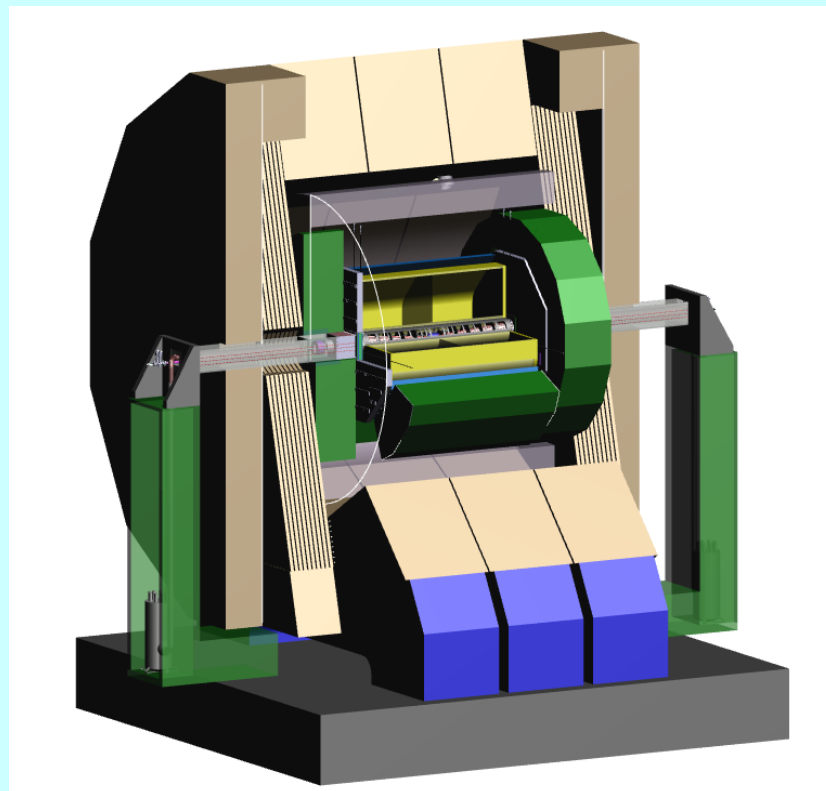
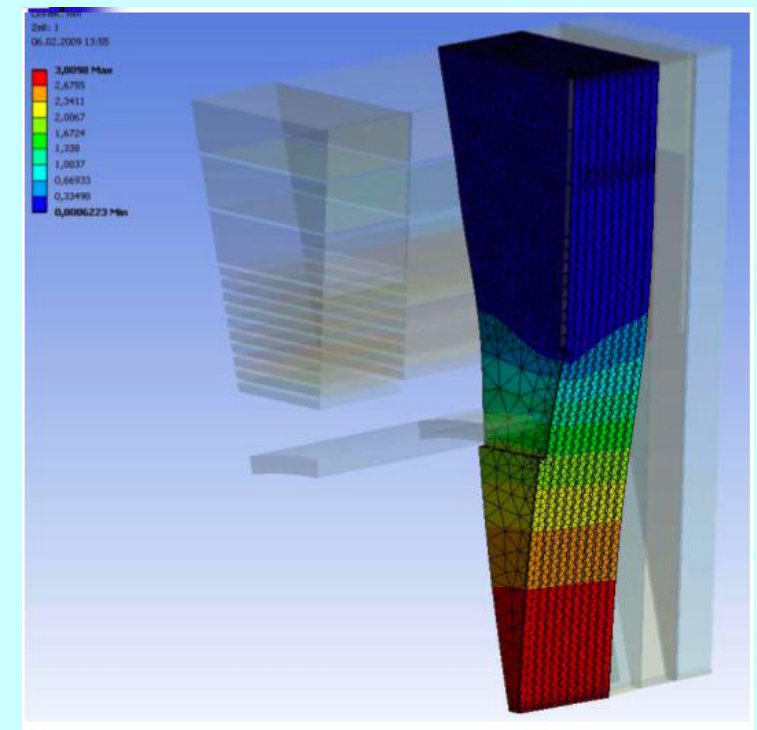
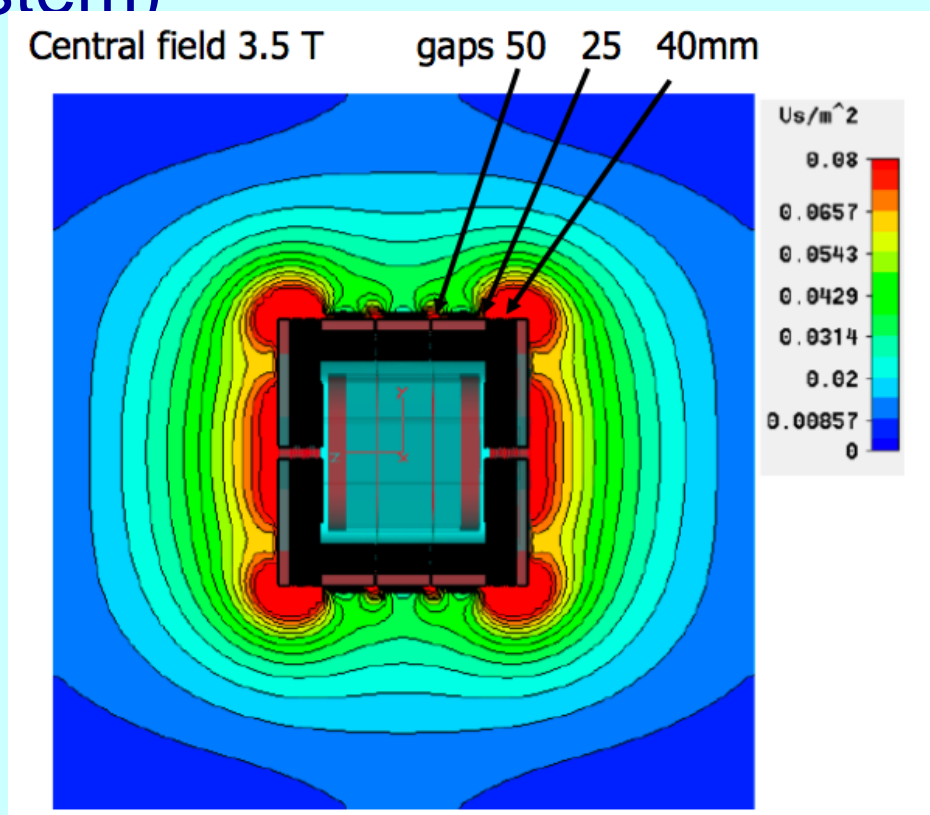
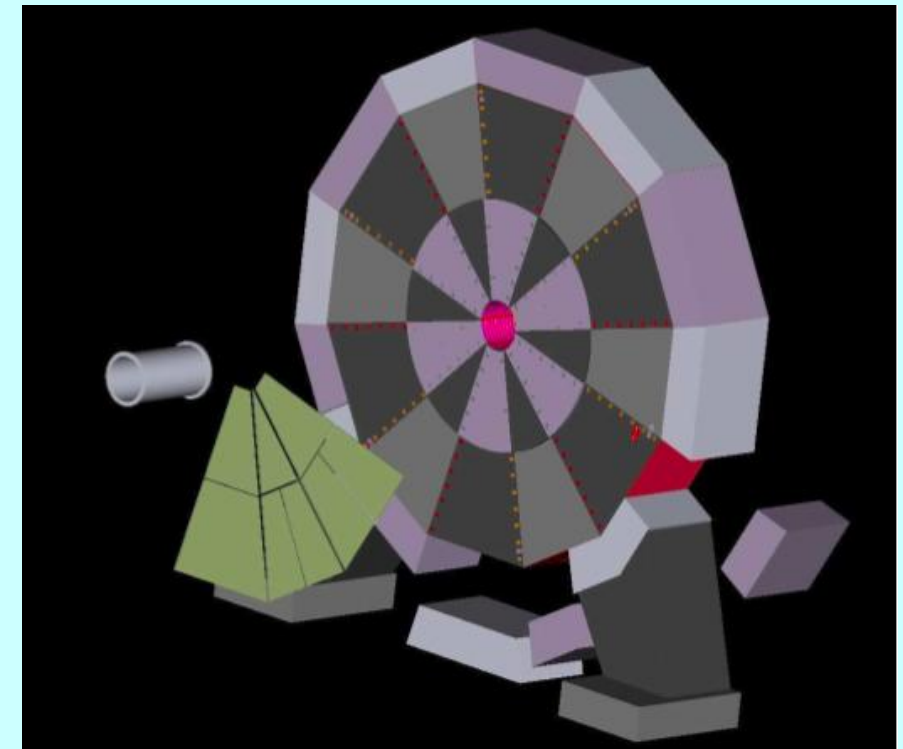
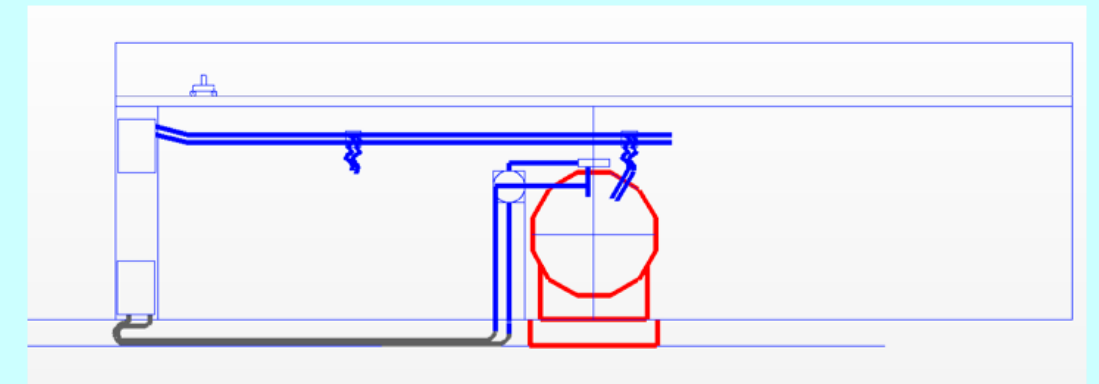
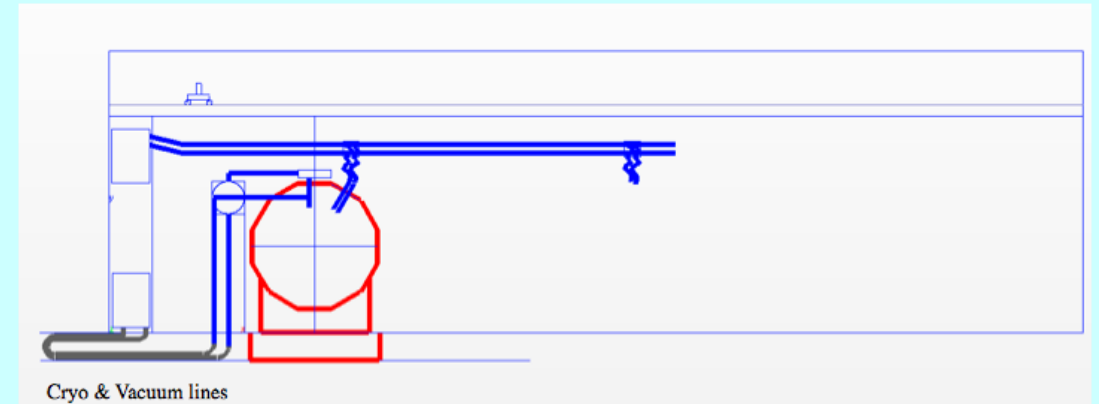
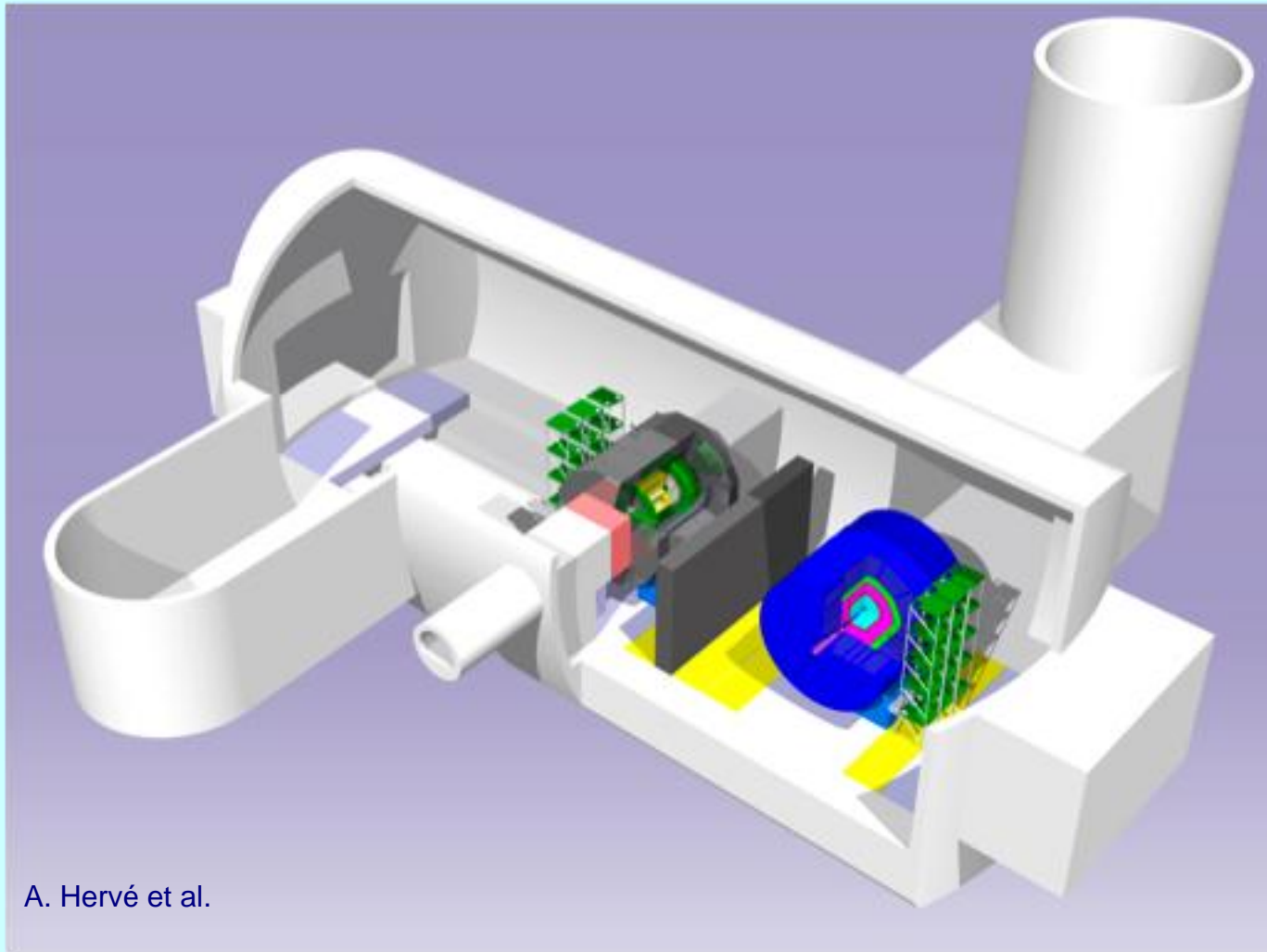


- Coordination of the ILD integration tasks within the MDI/Integration working group
- Engineering design of ILD yoke
- Conceptual design of push-pull arrangements
- Machine-Detector Interface
 - esp. studies of machine induced backgrounds



- Magnetic field calculations
 - Stray field estimates for push-pull
 - Magnetic forces on endcaps (~18 kt)
- Engineering design
 - assembly procedures
 - instrumentation (tail-catcher, muon system)





- How to move ILD on a platform with all necessary services connected
- Push-pull on a timescale of two days demands careful engineering solutions
- Main challenge: alignment and calibration after push-pull
- Collaborative effort between Asia (KEK and others) and Europe (DESY, France, CERN)

Machine induced backgrounds

- Pairs from beamstrahlung are the major source of background for the detector
- Full MC studies with realistic ILC parameter sets give estimates of occupancies
- Vertex detector is most affected device
- Hit densities on inner silicon detectors:

