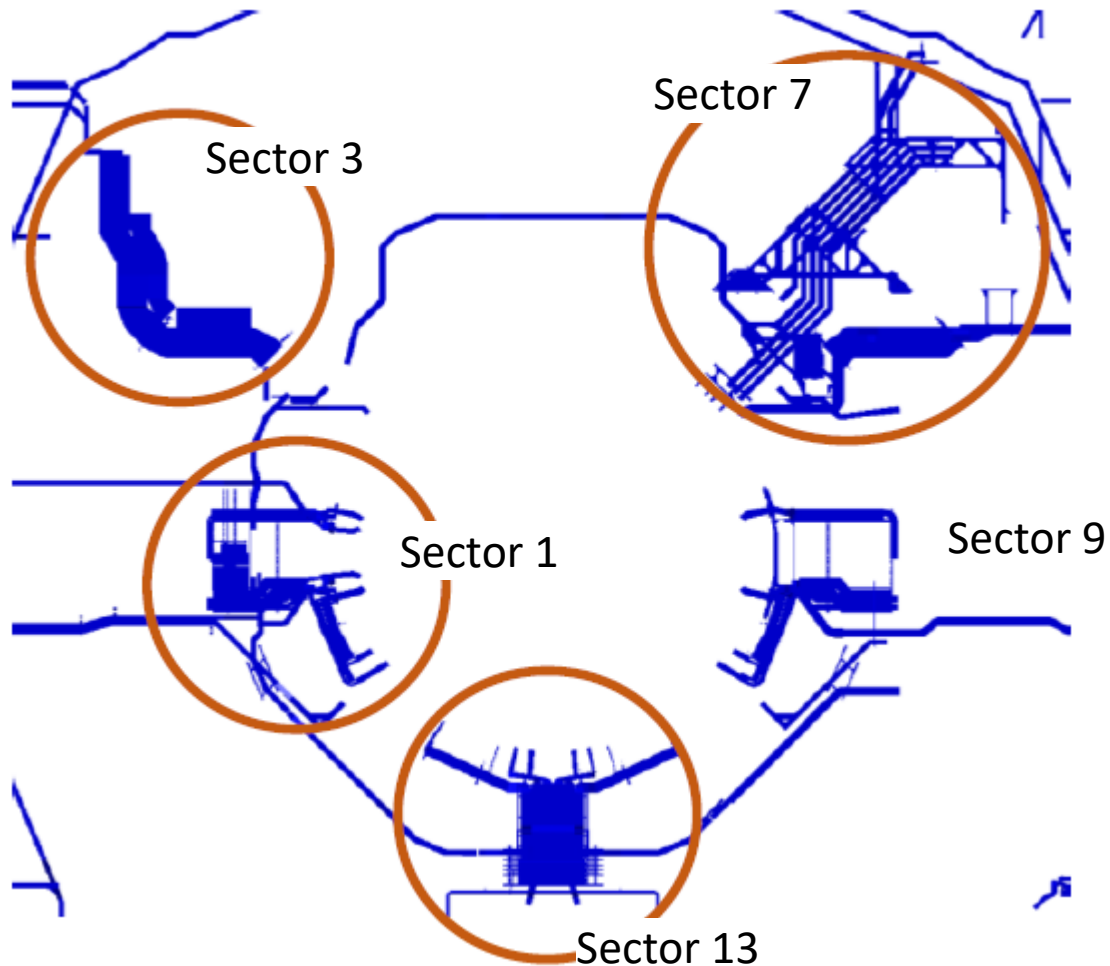


Our Proposals for Future Continuation

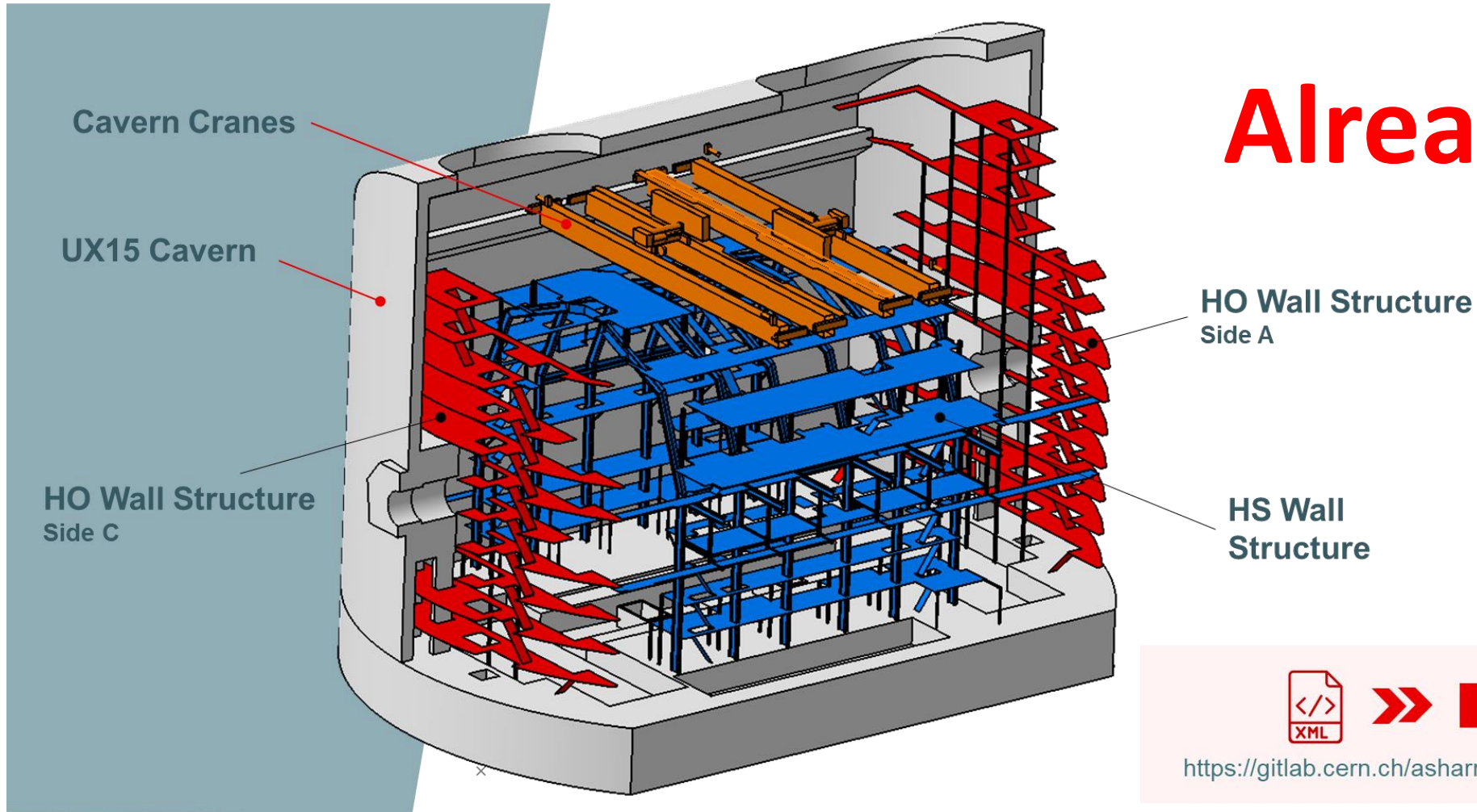
SHARMAZANASHVILI Alexander
Georgian Team



1. Add Descriptions of the Cable Trays in the other Sectors – 1-3-9-13 / Simulation group?



2. Add Descriptions of the CAVERN Services / Radiation group?



Already Done!



XML



Gitlab

<https://gitlab.cern.ch/asharmaz/atlas-g4-xml>

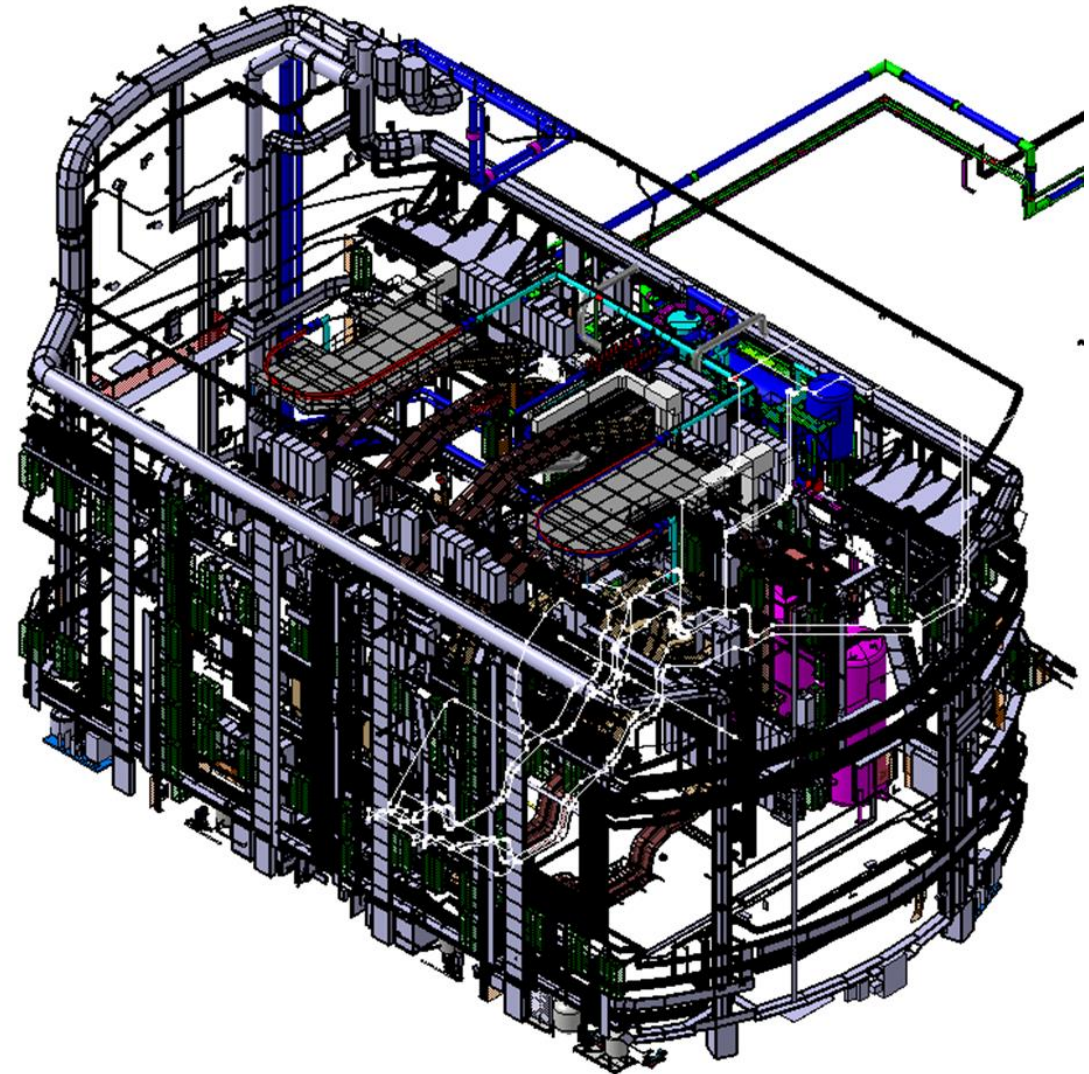
2. Add Descriptions of the CAVERN Services / Radiation group?

Situation in the third group

- Models have been migrated from (old cad system) Euclid and mainly are envelope geometries with no materials and the internal content of the parts (like tubes, cables and boxes)

Next plan ?

- New list of priority models to be developed

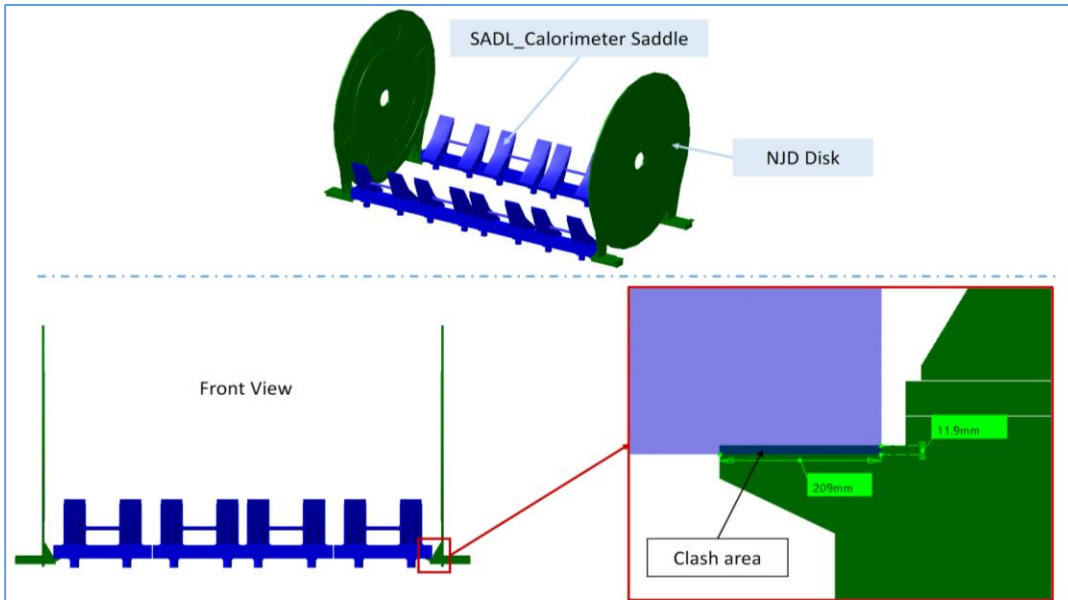


3. Using CATIA for Clash detection and Fixation / Muon group ?

Jira Tickets:

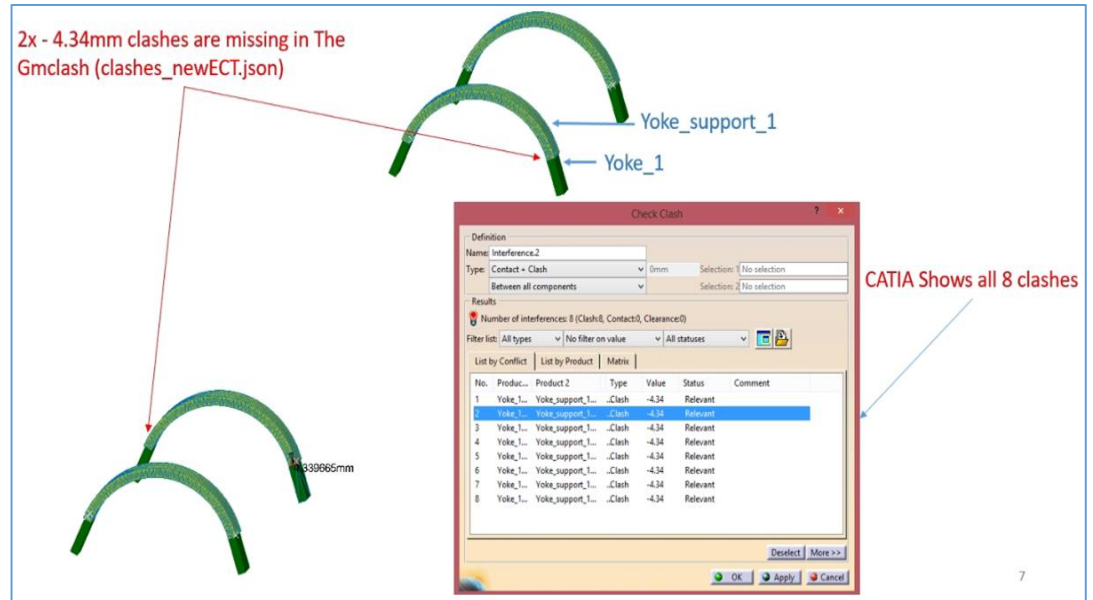
<https://its.cern.ch/jira/browse/ATLASSIM-4996>

Geometry clashes between NSW JD and calorimeter saddle



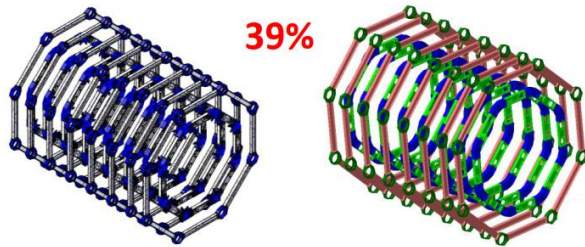
<https://its.cern.ch/jira/browse/ATLASSIM-4995>

Geometry clashes in description of ATLAS endcap toroid



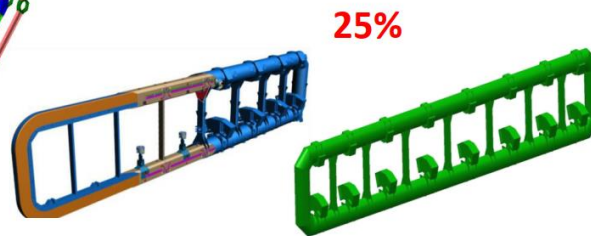
4. Reconsideration of Compare Analyses reports done in the past according to new ability of X_0 / λ calculations. We did 14 Projects of Compare Analyses in the past.

Warm Structure



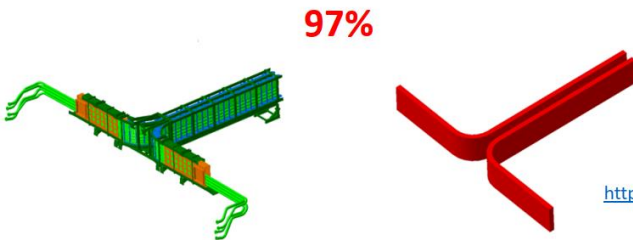
<https://indico.cern.ch/event/726014/>

Coils



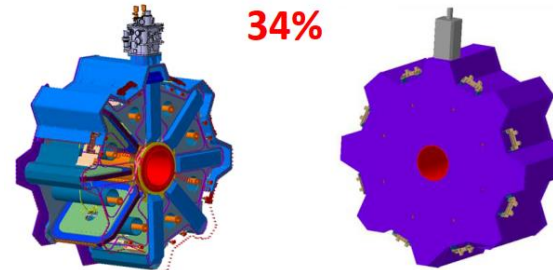
<https://indico.cern.ch/event/922635/>

Flexible Chain s.9



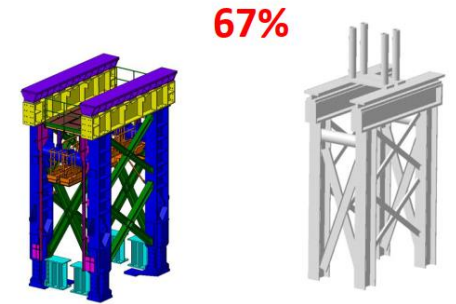
<https://indico.cern.ch/event/747648/>

EndCAP Toroid



<https://indico.cern.ch/event/356850/>

HF Trucks

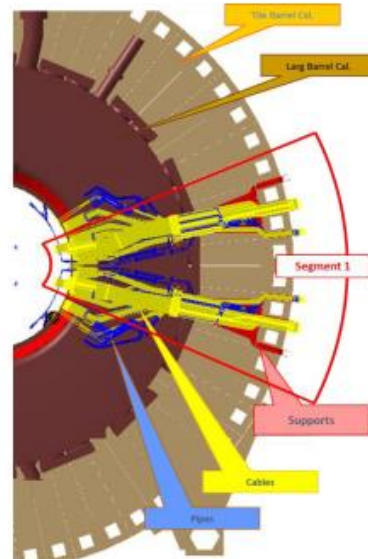
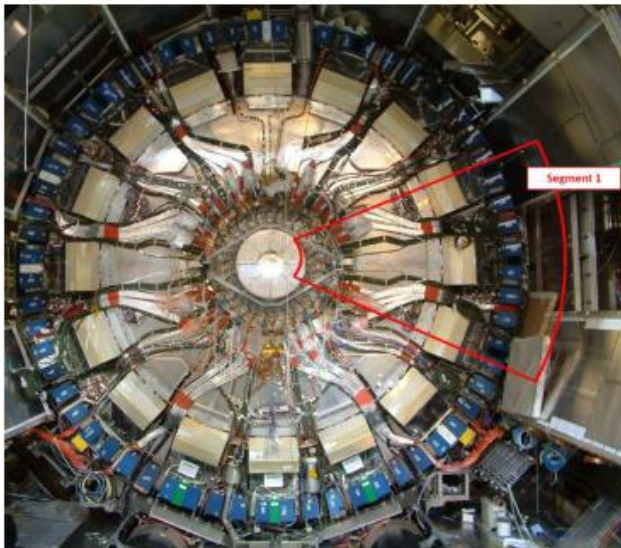


<https://indico.cern.ch/event/645652/>

5. We have on-going project with TileCAL about the GAP region analyses

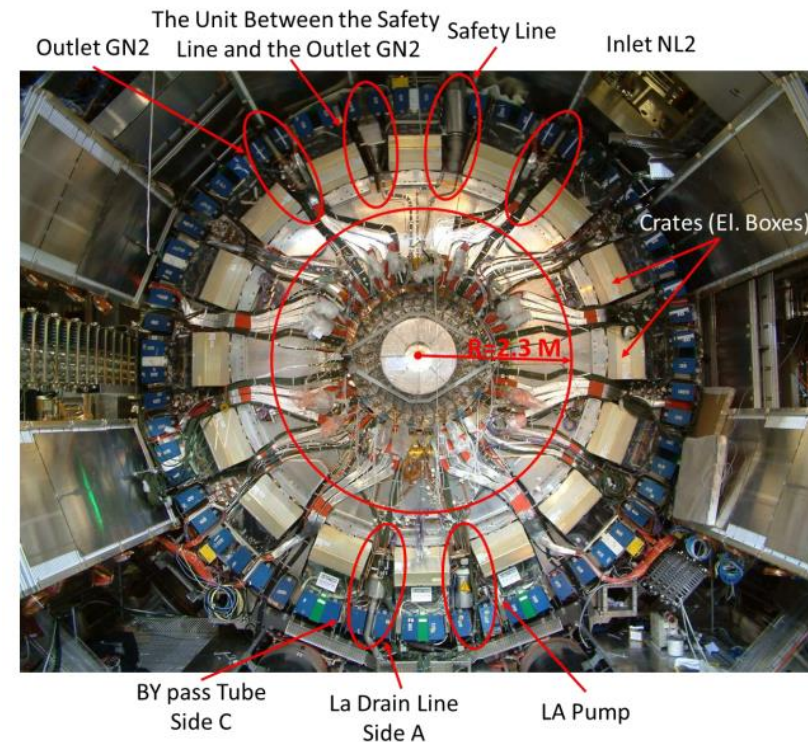
I. ID services in the GAP region

- 1.1 Supports
- 1.2 Cables
- 1.3 Pipes

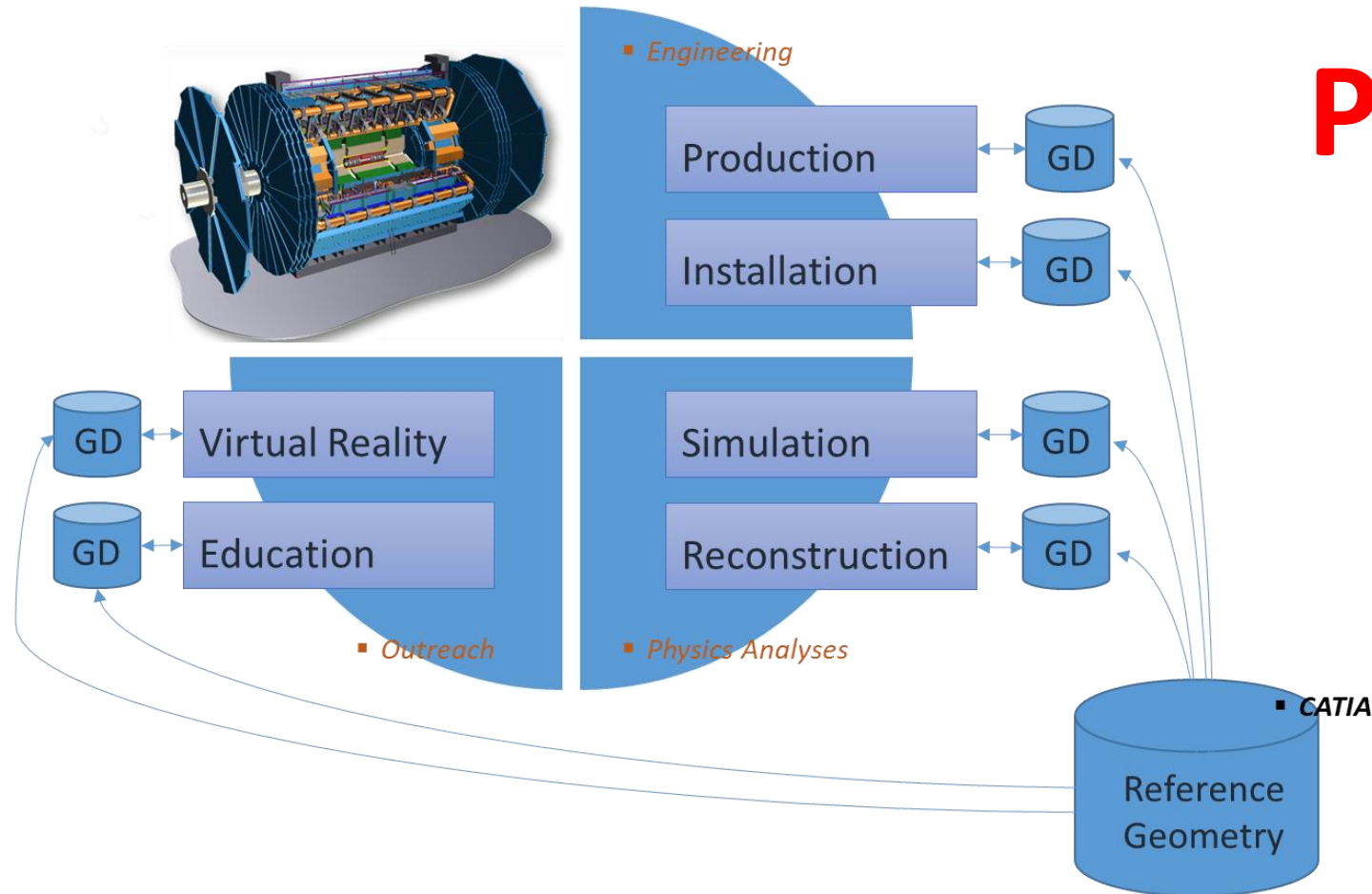


II. Calorimeter gap services

- 1.4 LAr pump
- 1.5 Inlet NL2
- 1.6 Outlet GN2
- 1.7 Safety line (side C)
- 1.8 The Unit between Safety line and outlet GN2
- 1.9 LAr drain line
- 1.10 Bypass tube



6. Development of CATIA library of as-built geometry descriptions for references



Partly Done!

Any other ideas or wishes from you ?