MERIT layout in TT2/TT2A/TT10

CERN AB-ATB

http://cern.ch/proj-hiptarget

VRVS session, Jan. 2006

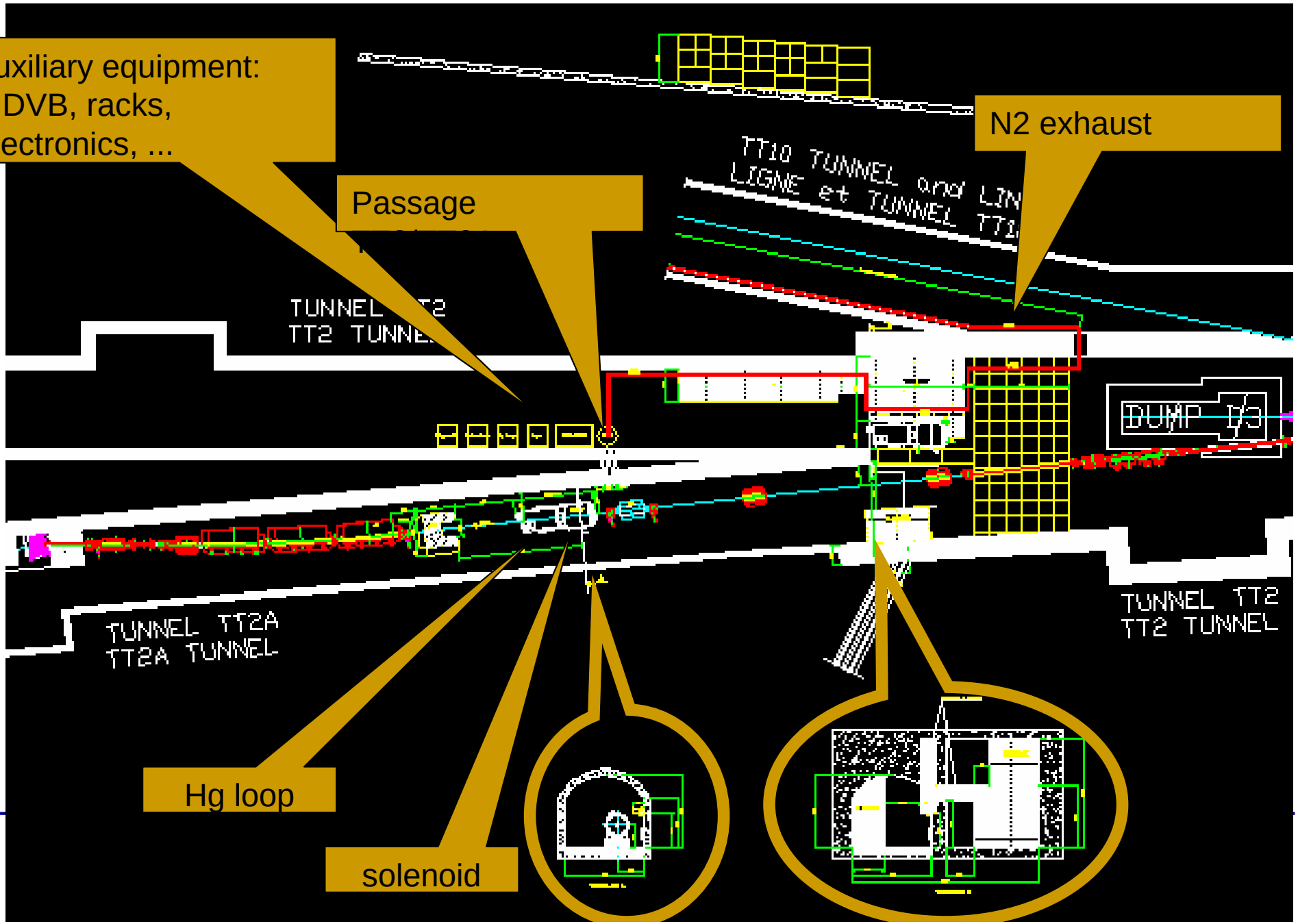
ACAD drawing

- Preliminary version published on the web:
  - EDMS: https://edms.cern.ch/document/695011
  - Future versions are always to be found there, check regularly
  - Viewable with AutoCAD, but also with eDrawings

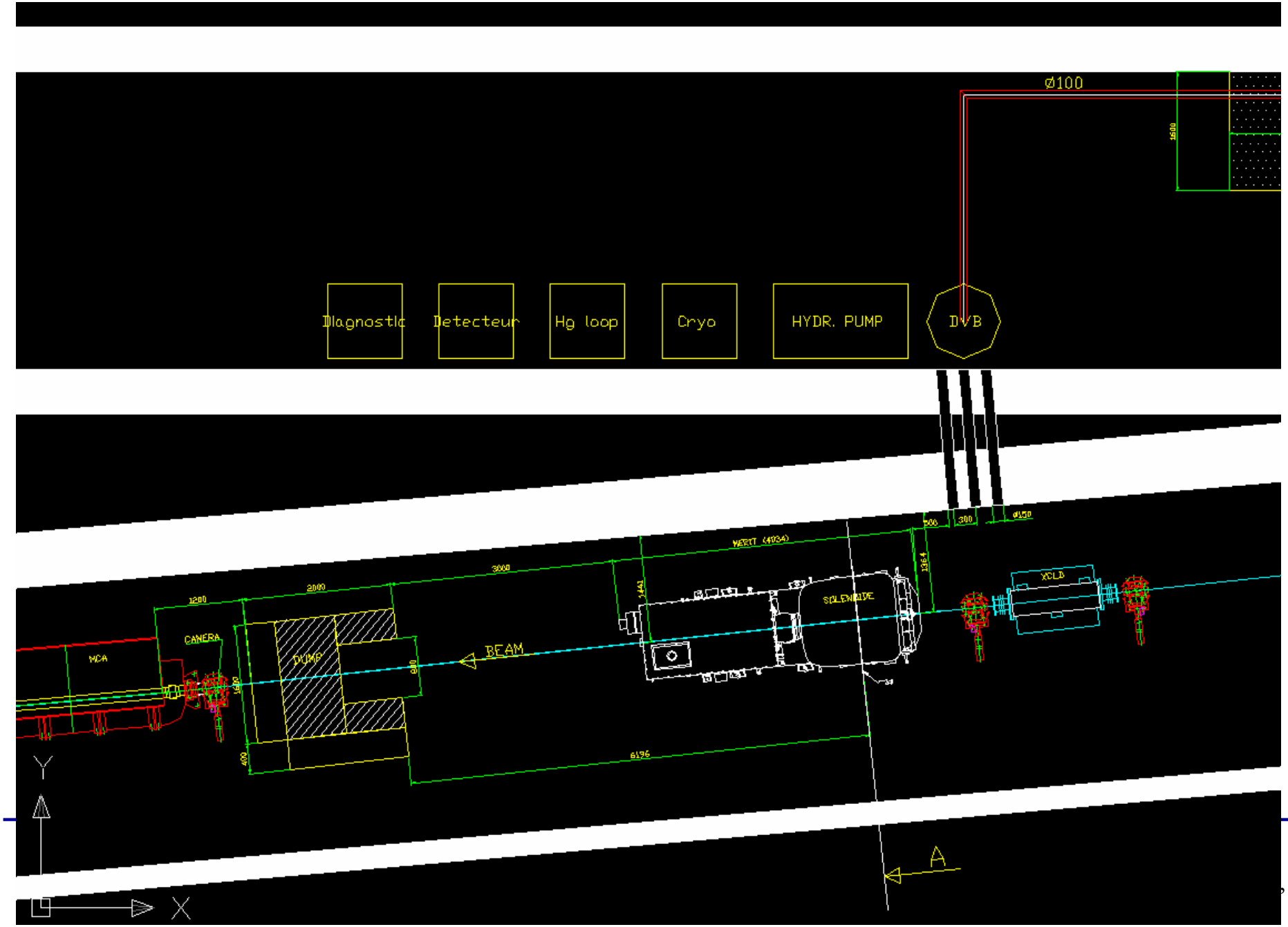
Items indicated

- Z=0 definitely defined
- Indicators for mercury loop, solenoid, beam attenuator, quadrupoles, beam diagnostics, collimator, passage TT2 to TT2A, auxiliary equipment, N2 exhaust, ...

Layout file (ACAD)



Z=0 and periphery



Soon to come

- Cryogenic lines
- End of TT2A, separation to nToF target
- Exact location of quadrupoles
- Transport “kinematics”
- Cooling plant of nToF in TT2/TT2A junction
- Do we require vacuum pipe in TT2A? (l=15 m)
- …

Open issues

Input required from collaboration

- ...
- Size & location of passage TT2 ↔ TT2A (cryogenics, Hg loop, diagnostics, ...)
  - A list should be setup with all requests (send e-mail)
  - Requests should contain: sizing, location, quantity, special requirements
- Space for solenoid connections (bus bar, cryo, ...)
  - To define spacing between solenoid and collimator/BI
- Space allocation in TT2 for auxiliary equipment (ALL)
  - location, size, special requirements
- ...