



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)



auxiliary equipment:
DVB, racks,
electronics, ...

Passage

N2 exhaust

TUNNEL TT2
TT2 TUNNEL

TT10 TUNNEL and LIN
LIGNE et TUNNEL TT1

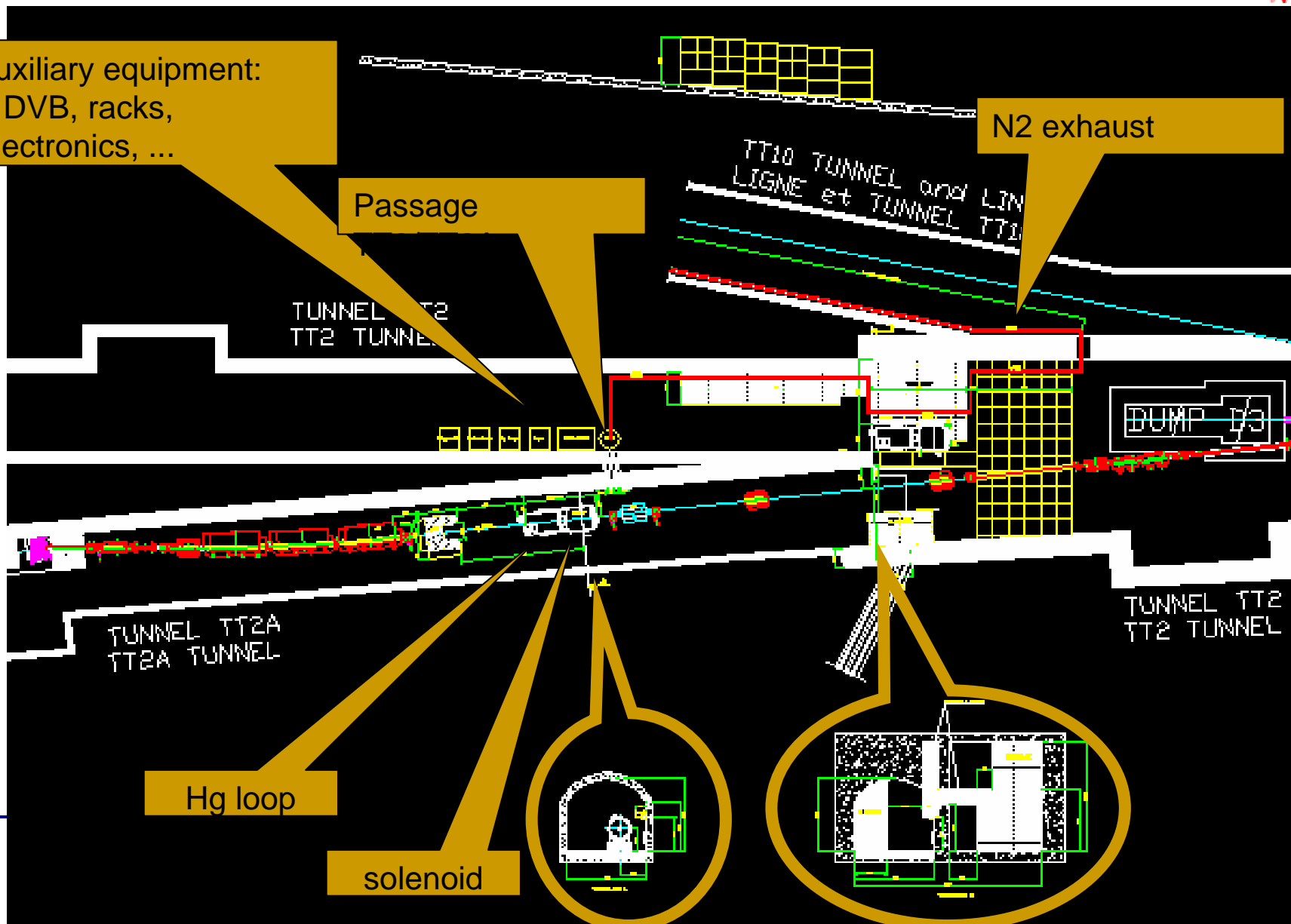
DUMP D3

TUNNEL TT2A
TT2A TUNNEL

TUNNEL TT2
TT2 TUNNEL

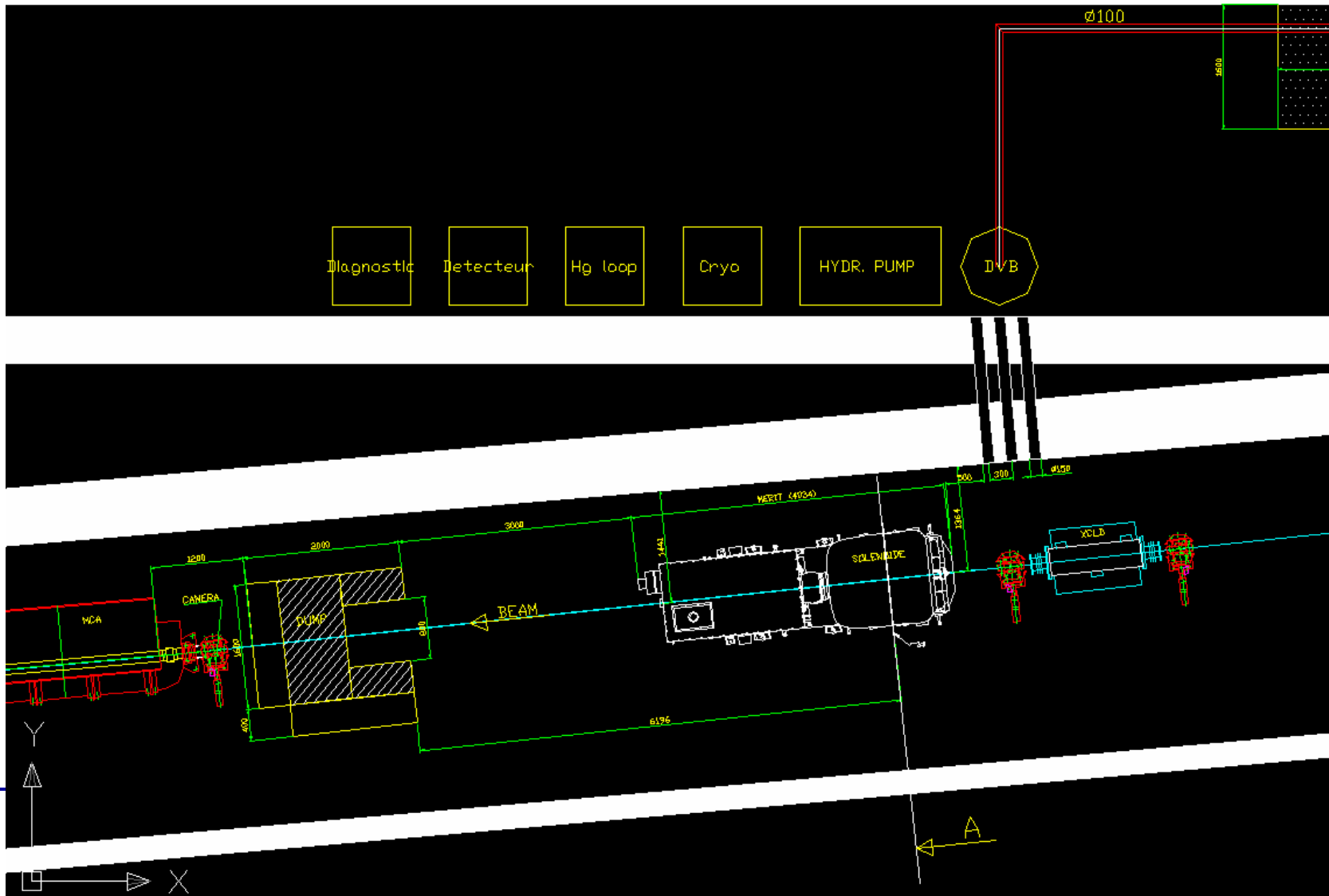
Hg loop

solenoid





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
- ...