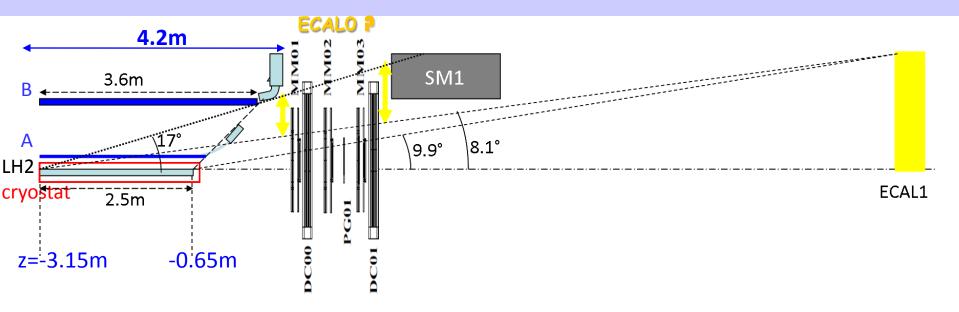
First design of the RPD design in the COMPASS setup



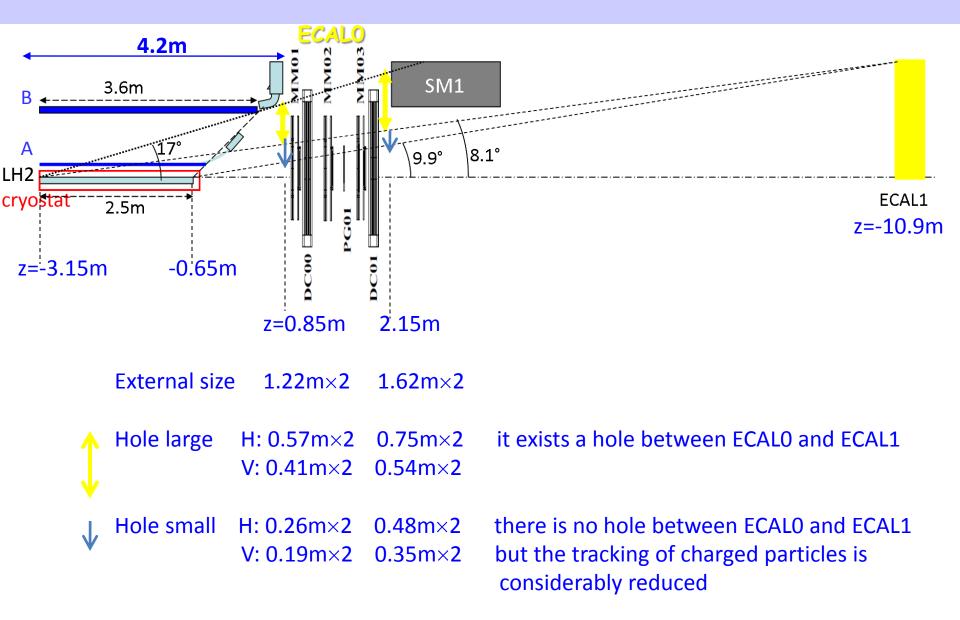
How to install a 2.5m long LH2 target in the RPD?

- Eitherthe target can be inserted by a longitudinal movement or the RPD should be opened in 2 pieces to insert/extract the target by crane?
- One part of the RPD can be moved on the present rails?

Size of the cryostat wall: minimum thickness (1.8mm Al, ∅=40cm) for the interception of forward outgoing particle (maximum γ absorption at 5° (2% in target, 16% in cryostat, 8% in scint) to be added to 24% in all the COMPASS trackers and 10-18% in the RICH)

Can we use the cryostat wall to fix the A layer?

Possible Sizes for ECALO



If ECAL1 at 14m, the holes for ECAL0 shoud be still smaller

Simulations in progress

New kinematic coverage in (Q2, x) with ECALO

Impact on B t-slope determination

Impact on C1 coefficient extracted from the Beam Charge & Spin Asymmetry or Diff

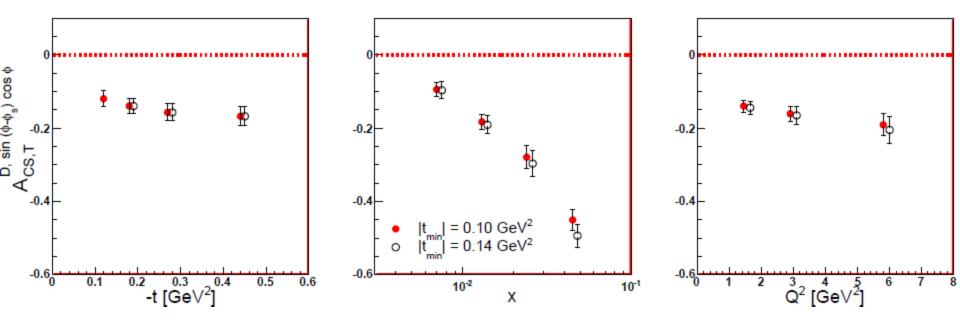
Simulation for the Transverse Target Polarisation:

An important point for a NH3 target:

- for inclusive measurment
 The dilution factor is the number of polarized protons to all nucleons f= 0.17
- for an exclusive measurement with recoil proton detection

 The dilution factor is the number of polarized protons to all protons f=0.26

The insertion of the predictions in the proposal is almost done



From Andrzej Sandacz