Pending and new possible issues for the collimation in the IP1 to IP5 lay-out zone TAXN-D2
Present chain of TCTV, TCTH, TCL, TCLMA do not fit the space between TAXN and D2

The warm TCLMA has not optimal efficiency due to the distance to the D2

If we want to provide since the beginning the possibility act on the 5th axis we need to provide even more space that was foreseen at the beginning in the LHC
Future

• The proposal for the “TCLX” shown in Japan by L. Esposito and team leads to a more compact and effective longitudinal lay-out

• On the other hand the transversal integration could (will) become the possible showstopper

• Decision has to be taken rapidly in order to start
  – Implement it in the new optics in a coherent matter from the WP2 and WP15 perspective
  – A (mechanical) feasibility study for the new collimators
  – Provide the required input for the TAXN length (optic efficiency and material choice. this has impact also on the transport vehicles ).