## Civil engineering works

- Ring-Ring Layouts for civil works
- New Injector possibilities

These brainstorming ideas are further to various meetings with M.Klein, S.Myers, O.Bruning, F.Zimmermann, H. Burkhardt, T.Linnecar, B. Holzer. Drawings by A.Kosmicki and N.Baddems Civil Engineering Group..

LHC PROJECT



LHeC


## LHeC

View from UPS54 Survey Gallery into CMS Cavern on Walkways


## Point 1



## By-passes around Points 1 and Point 5

Point 5



## By-passes around Points 1 and Point 5

Point 5





New 6km injector into Point 2 or Point 8










