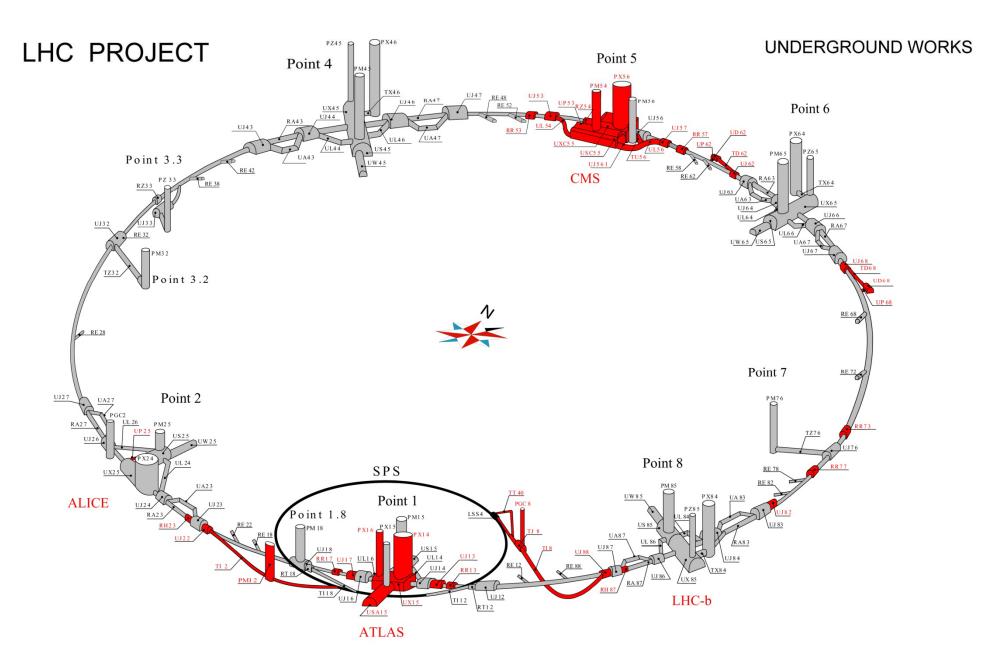
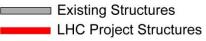
Civil engineering works

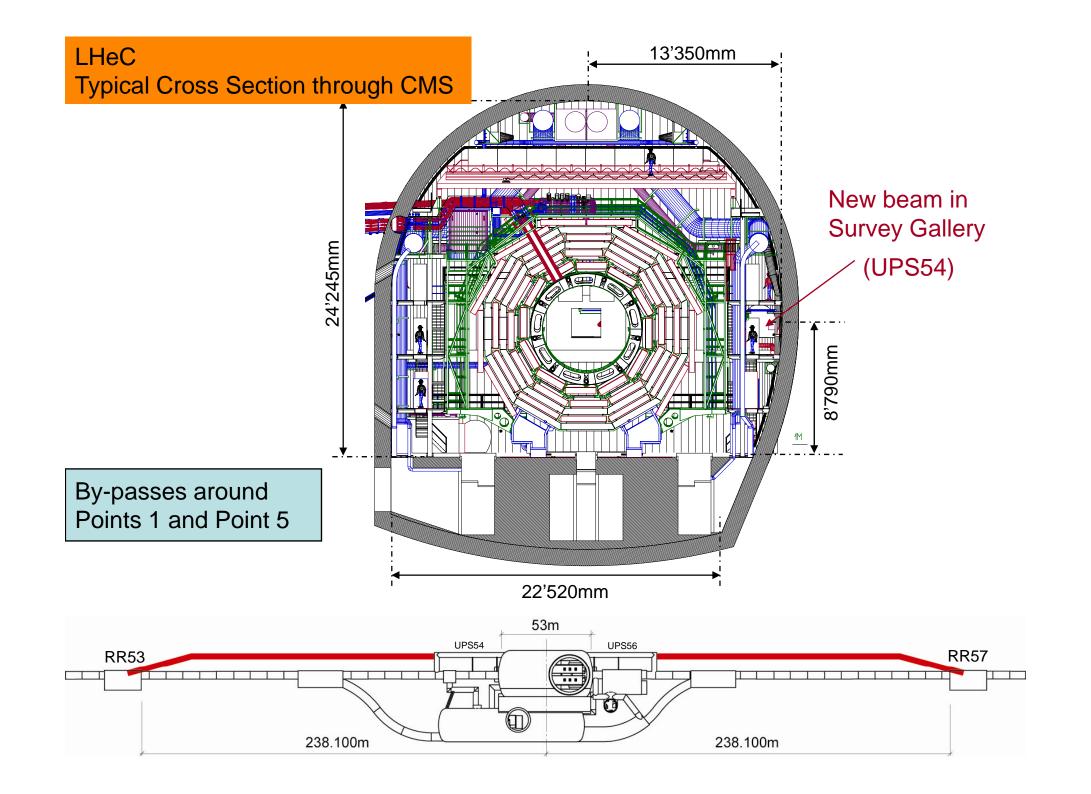
- Ring-Ring Layouts for civil works
- New Injector possibilities

These <u>brainstorming ideas</u> 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..



ST-CE 18/04/2003 Ring-Ring Option
By-passing ATLAS & CMS

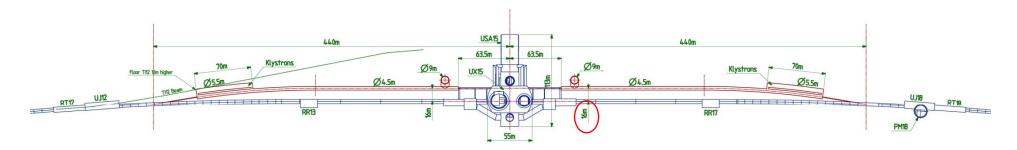




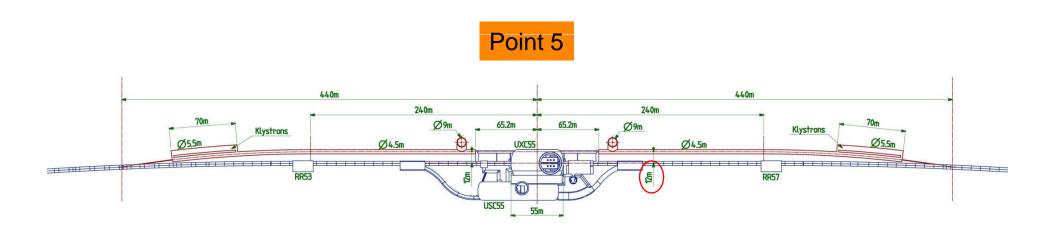


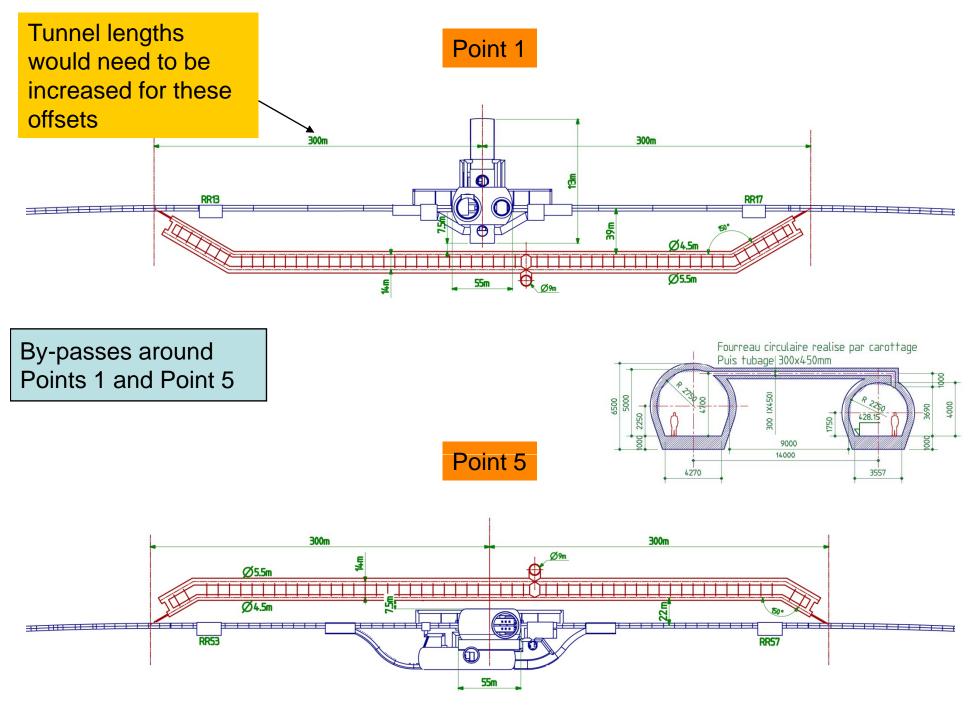


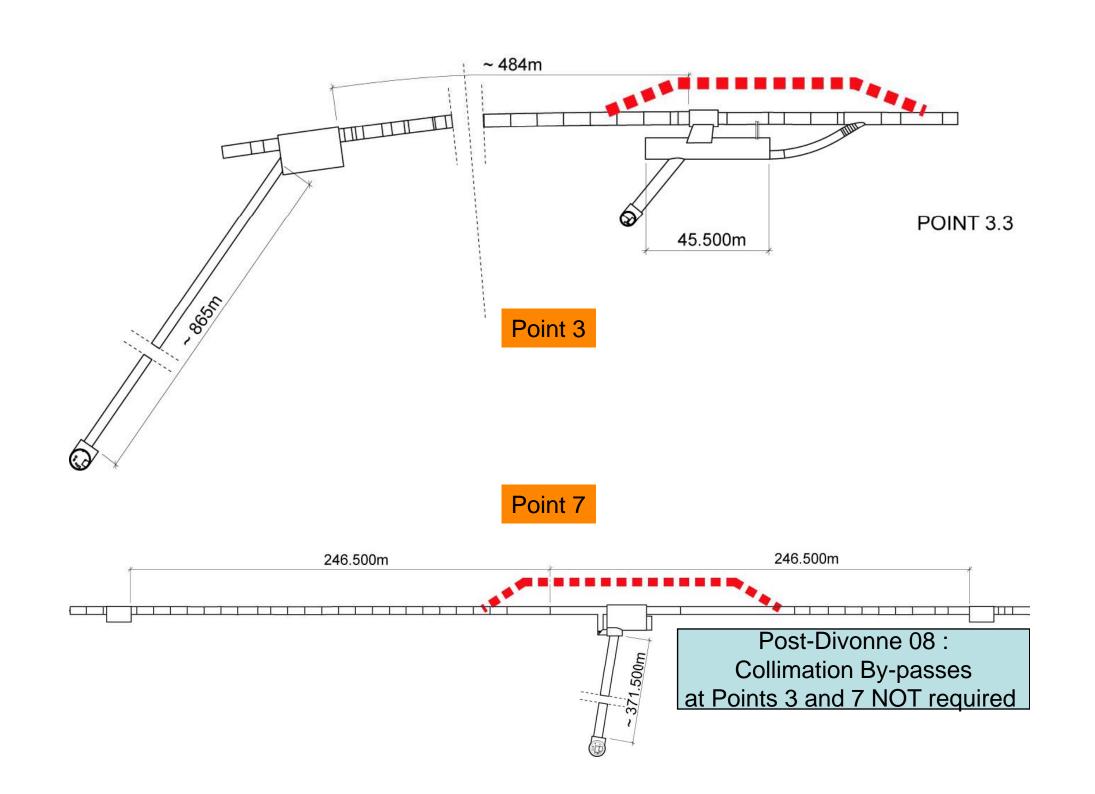
Point 1

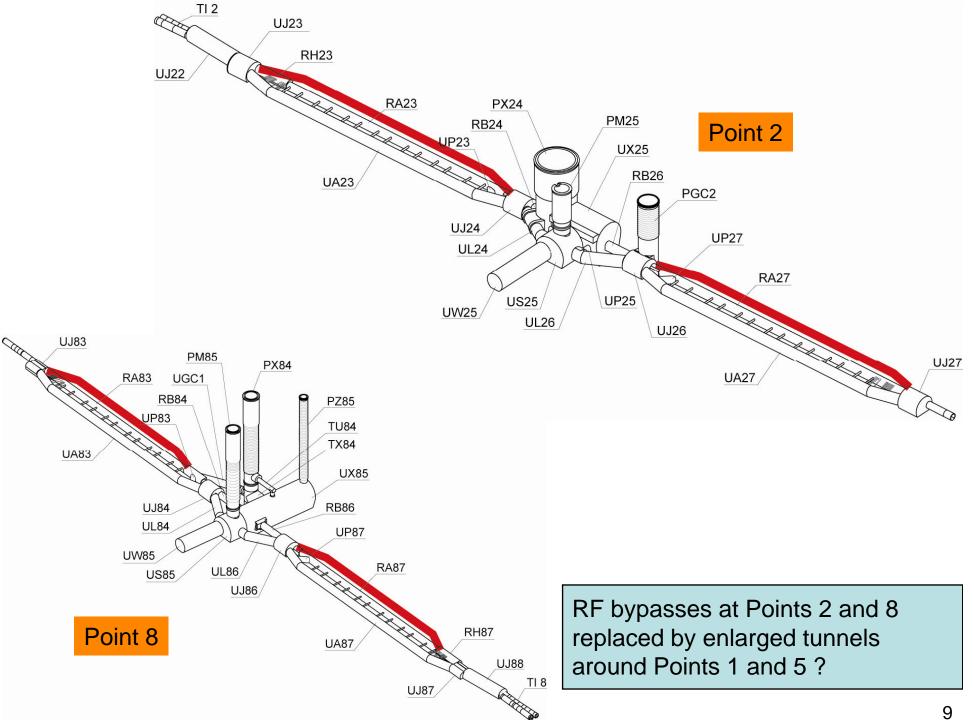


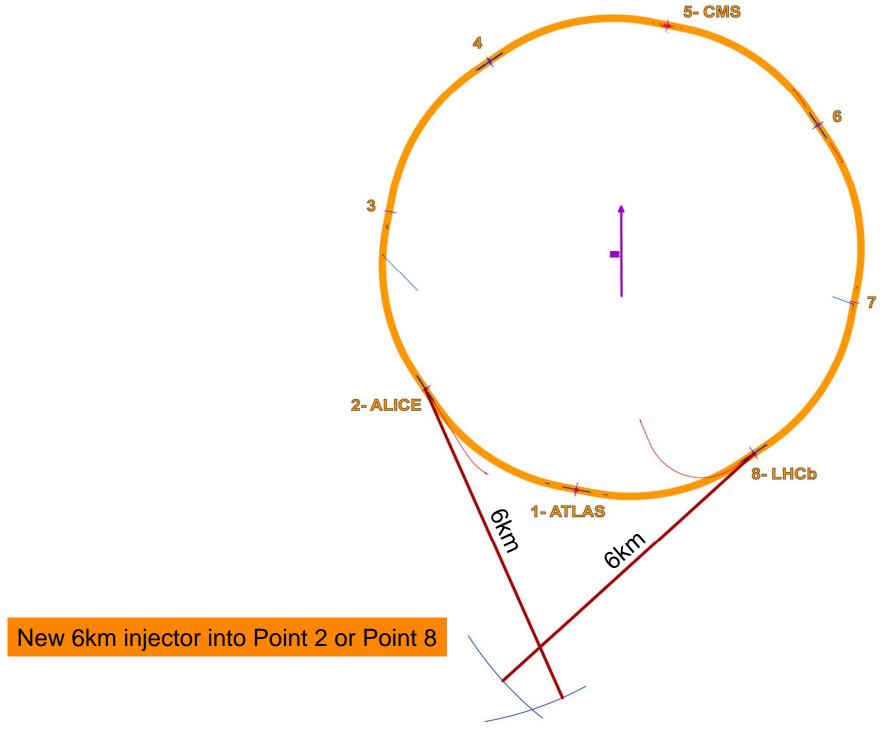
By-passes around Points 1 and Point 5











New 6km injector into Point 2 or Point 8

