

About Trigger Simulation

- Current tsim-cdc has two main parts :
 - R-Phi simulation
 - Z simulation (not used)
- TsimCDCmodule (both R-phi and Z) requires wire hit and geometry information (**DATCDC-WIRHIT** table).
 - This information seems to be saved **event-by-event**. (not pretty sure)
- R-Phi Simulation : TsimCDCRphiModule (event-by-event)
 - **create Wires, Tsfs, gTsf, Tfs**
 - **read wire data except wires on stereo layers.**
 - **Wires in each super-layer are grouped into gTSF cell.**
 - **Examine the hit pattern in each cell by a MLU.**

About Trigger Simulation

- Z Trigger Simulation are formed from : TCZModule
 - The direct z information provided by the cathode strips (not used any more).
 - The z coordinates calculated from axial and stereo wire hits.
 - Hit information is stored (wire and cathode).
 - Calculate the z coordinates using only axial and stereo hists.
 - The tower trigger is simulated by using a GEANT simulation.
- I am thinking about the way we could get the stereo hits and calculate Z from the current TCZModule.
 - Better ways or suggestions??