

# MTPC Geometry in g4sbs update

- **mTPC working geometry pushed to tdis\_dev branch in g4sbs**
- Still in **active development**, refinements to be made – any questions please ask
- Based on latest gemc geometry accessed (Marco, April 2018)
- Currently no vertical HV planes, will add.
- In GEMC readout planes are “kryptonite” ie traversing particles are killed, in g4sbs currently not “kryptonite”
- SD type could be optimised
- Modifiable target thickness/gas/pressure/temp and TPC gas mix/temp/pressure
- Added pion TDIS event generator (from D.Adikaram - March 09, 2015), but units for rates must be cross-checked (to be done). Kaon TDIS generator not included yet
  
- Start adding digitisation? (cross-check with Marco/Steve on gemc implementation and how to transfer over to g4sbs, add info on timing from garfield++)

