



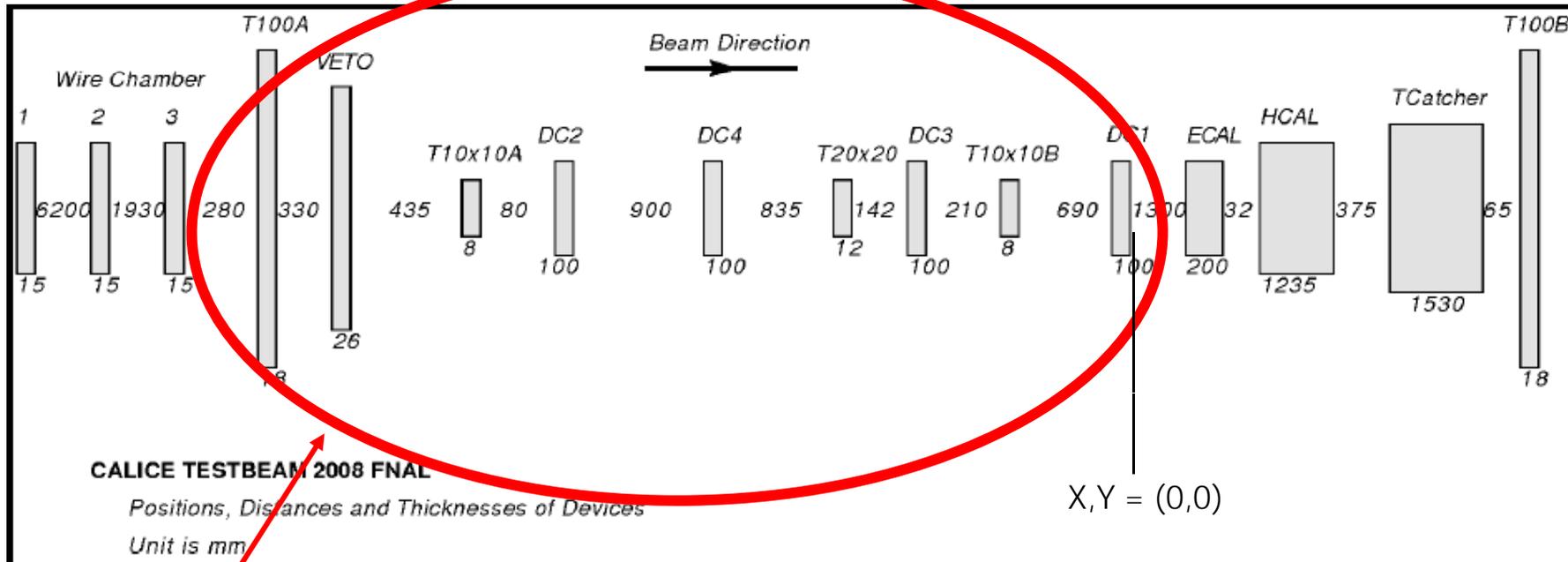
TB model for the 2008 FNAL test beams

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TB layout



- Drivers for most of the beam detectors are already available
 - Need to create new test beam model in db to define the position of all the detectors
 - Adopt the convention of (0,0) being the back face of DC1



Work in progress...

- No info available at present on the wire chambers in front of T100A
 - Need to know about gas mixture, composition of the entrance/exit windows, etc...
- SiWECAL needs new driver (Gabriel ?)
 - Need to add the new instrumented layers in lower slabs
- AHCAL/TCMT same as CERN 2007 tb
- No information on what detectors are present on the beam line beyond the wire chambers
 - Cerenkov ? Any other beam chamber we know of ?
- No detail information on alignment
 - From Erika: "The two 10x10 triggers are aligned with the windows of two of the four DC. Any mis-alignment of the DC will also result in a mis-alignment of the triggers".
 - Which two of the 4 DCH ? What is the mis-alignment ? Are all the other chambers aligned with the beam line ? Or with a different ref. point ?



Conclusion

- Implementation of the 08 test beam is in progress
- A lot of detectors on the beam line are already simulated in Mokka
 - Need to implement new positions in the db
- Still missing information regarding extra material on the beam line
 - Wire chambers ? Cerenkov ? AOB ?
- No information on alignment
 - In previous TB models we always assumed perfect alignment in the simulation
 - If mis-alignment needs to be included at simulation level, need to know reference points wrt where detectors were aligned
- No driver available for ScECAL
 - If beam line detectors are the same for the ScECAL run, only need SciECAL driver and new detector positions