Tracker Meeting Minutes

Time: 2024/3/22 10:00 – 11:45

Participants: 常悦, DONG Mingyi (董明义), FAN Yunyun (樊云云), FU Chengdong (傅成栋), FU Jinyu (付金煜), LI Gang (李刚), LI Yiming (李一鸣), LI Zhan (李瞻), LIANG Zhijun (梁志钧), 刘灿文, GENG Qinglin (耿青林), QI Huirong (祁辉荣), 佘信, SHI Xin (史欣), WANG Meng (王萌), WU Linghui (伍灵慧), XU Zijun (徐子骏), YAN Xiongbo (严雄波), 曾浩, 张瑶, ZHAO Guang (赵光), ZHAO Lei (赵雷), 赵梅

Minutes: WANG Meng

* WM
  + A mini-review on TPC and DC will be held on April 2nd at IHEP.
  + Yiming and Xin will prepare comparison of SET with pixel and strip scenarios, respectively.
* QHR: TPC with pixelated readout
  + optimization of endcap continued
  + influence of beam background w/ and w/o LumiCal
  + prepare prototype to test pixelated readout
* DMY: DC
  + optimization of end plates in progress
  + data analysis of beam test in progress
* LYM: CMOS tracker
  + mechanical design under discussion
  + an extra layer of endcap proposed to provide more hits in forward region

🡺 figure out ways to determine z-positions of endcap layers

🡺 FCD: simulate OTk-Endcap/ETD with different rφ configurations

* FJY: mechanics of tracker
  + two options of VTX
  + two options of the outermost layer of ITk-Barrel/SIT
* SX/LZ: strip tracker
  + modules changed from 10x10 cm2 to 10x20 cm2
  + cost estimation updated for OTk-Barrel/SET
  + working on OTk-Endcap/ETD
* FYY: LGAD/TOF
  + endcap design with the petal shape as ATLAS ITk
* The next meeting will be held on the next Friday.