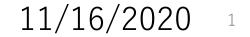
Status on SDT simulation work



Status

- From information by Chengdong, a bit more carefully follow the actual codes
 - -- Track identifying part

CEPCSW/Reconstruction/SiliconTracking/src/ForwardTrackingAlg.cpp / ***.h CEPCSW/Reconstruction/SiliconTracking/src/SpacePointBuilderAlg.cpp / ***.h CEPCSW/Reconstruction/SiliconTracking/src/TrackSubsetAlg.cpp / ***.h CEPCSW/Reconstruction/Tracking/src/FullLDCTracking/FullLDCTrackingAlg.cpp / ***.h

-- KalTest ...

CEPCSW/Utilities/KalDet/src/ild/tpc/ILDTPCKalDetector.cc

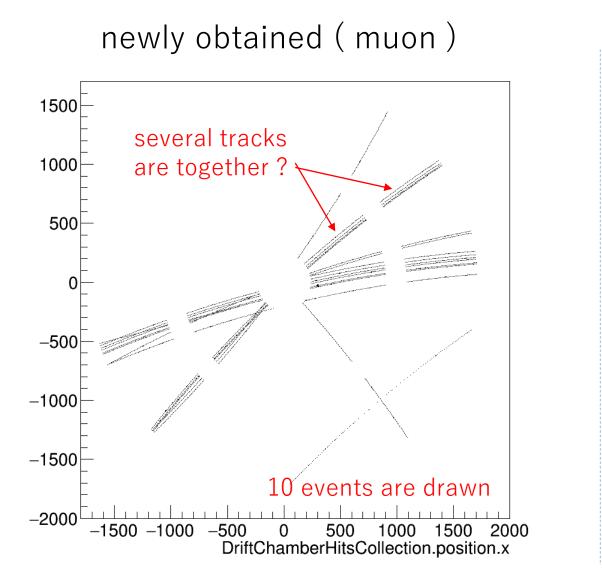
refer also

https://www-jlc.kek.jp/subg/offl/kaltest/

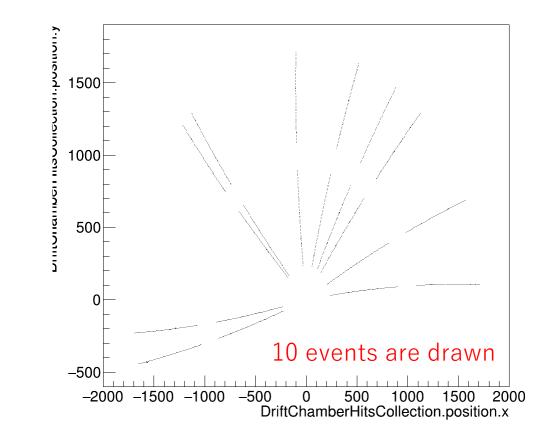
Comment

- be effective to continue own scheme
- Possible differences
 - -- detector resolution setting (i.e. ${\sim}4~\mu\text{m}$ for pixel detector)
 - -- hit Gaussian smearing.
 - -- multiple track identification → change to muon injection could help a bit ?
 - -- track finding for each detector component and merge at the final
 - -- Kalman filter (not follow the details yet)
- Try to run the SDT(=only drift chamber) script with the latest version
 (-- Aiming to switch injection particle, pion→muon)
 -- hit pattern is ?

Hit pattern ?



have received in past (pion)



Next

- update the difference before Kalman filter as much as could
- Compare the momentum resolution