

Status of the FPCCD software

Physics and Software meeting

2011/07/22

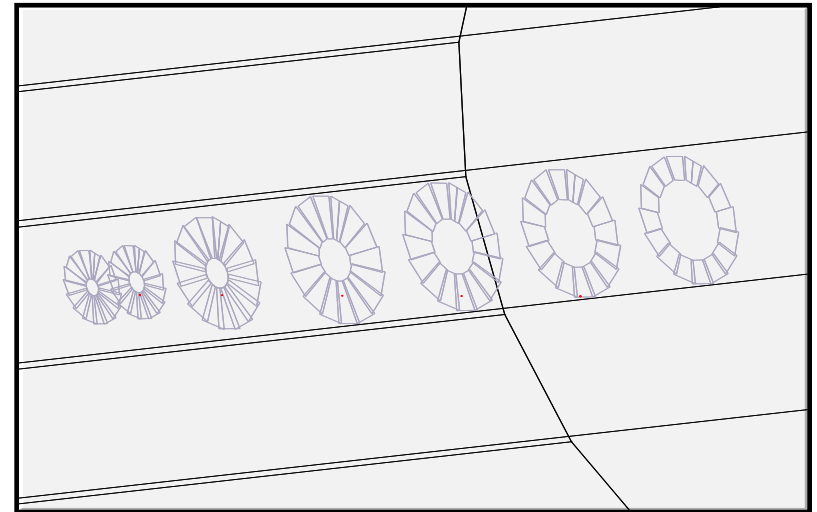
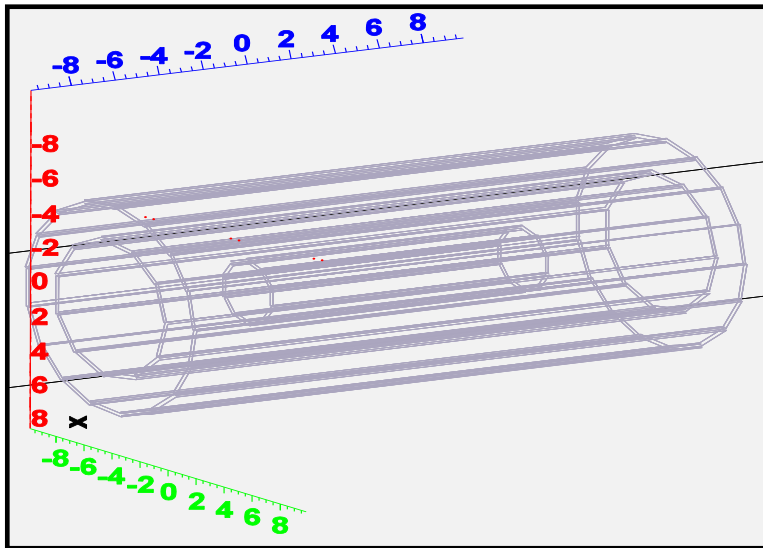
D.Kamai (Tohoku University)

Today's report

- KalTest
- FPCCD software
- New silicon tracking

KalTest

- Implementation of VTX and FTD into KalTest was finished.
 - These code will be installed in KalDet and be available in LCIO.



New framework

- FPCCD software were adjusted to new format.
 - TrackerHit → TrackerHitPlane
 - gear::VXDParameters → gear::ZPlanarParameters
 - gear::VXDLayerLayout → gear::ZPlanarLayerLayout

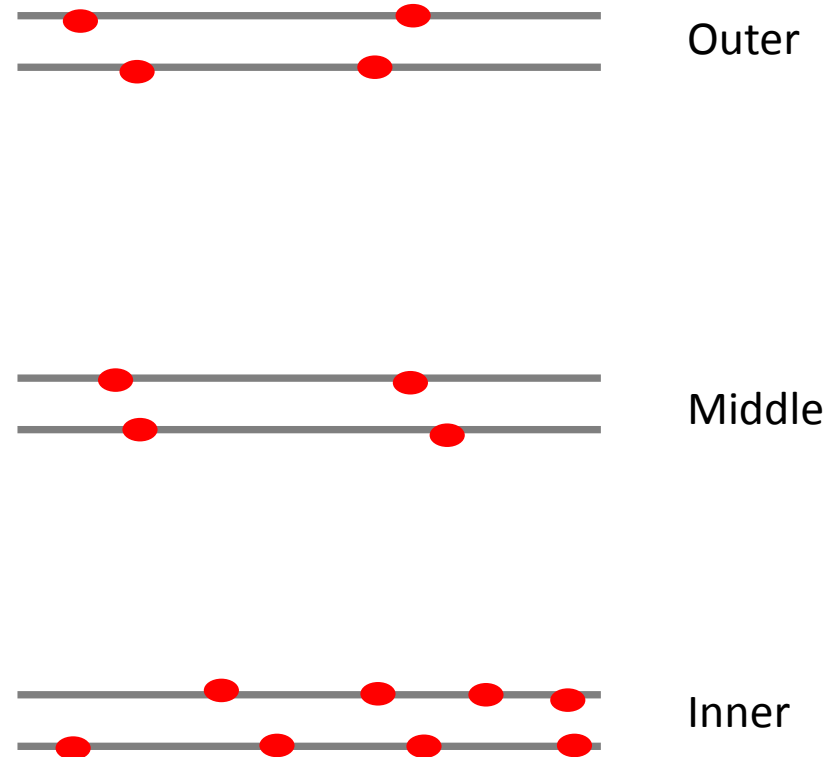
- Cell ID → cell ID0 & cell ID1
 - Ladder number was enable to been used, in addition layer number.
 - Cell ID1 can be used for cluster shapes information.

New silicon tracking

- Development of silicon stand alone tracking was started.
 - using vector hit on a double sided layer.

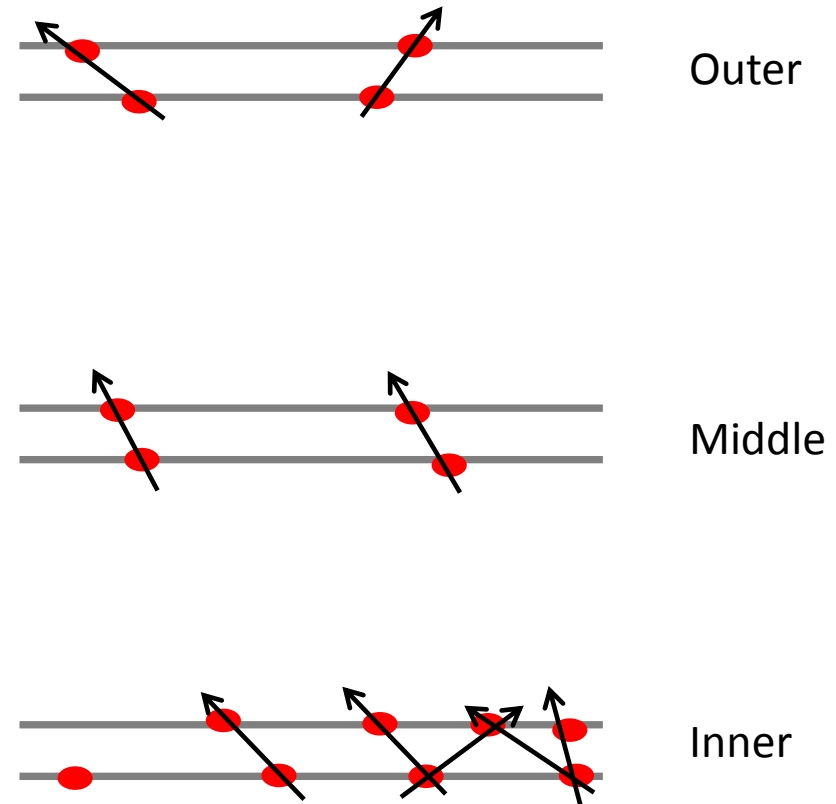
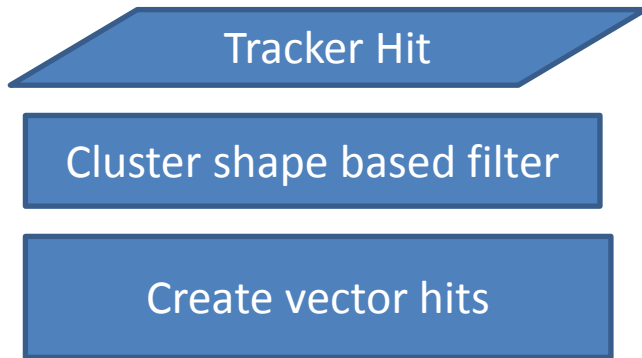
Tracker Hit

Cluster shape based filter



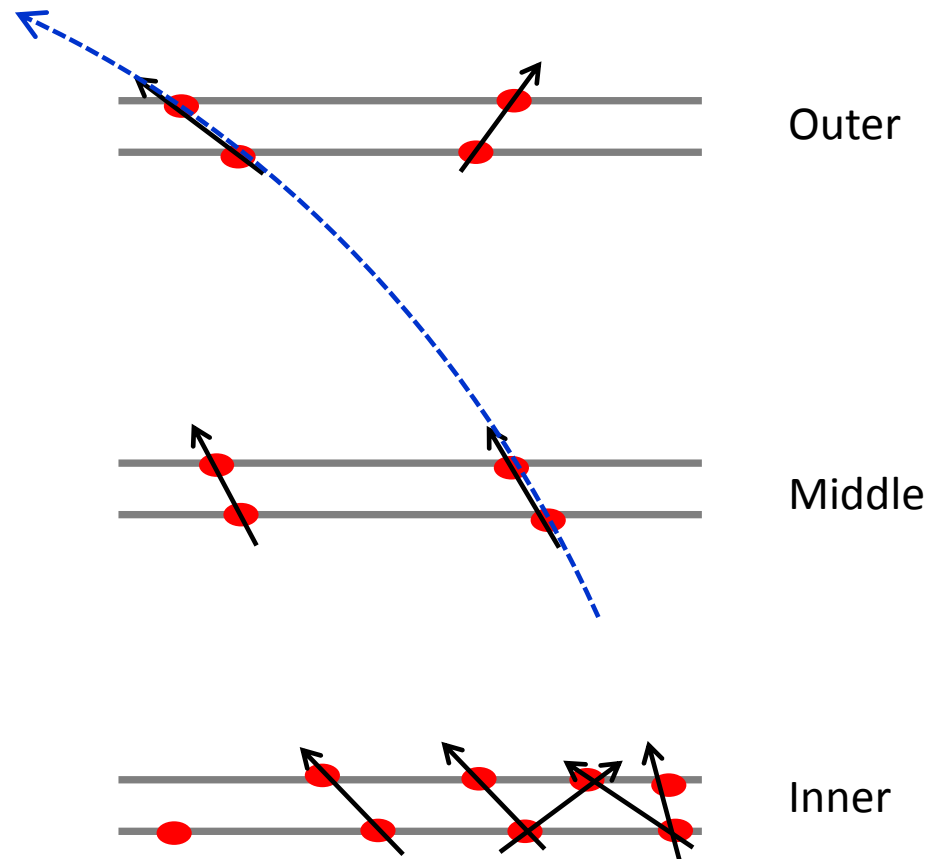
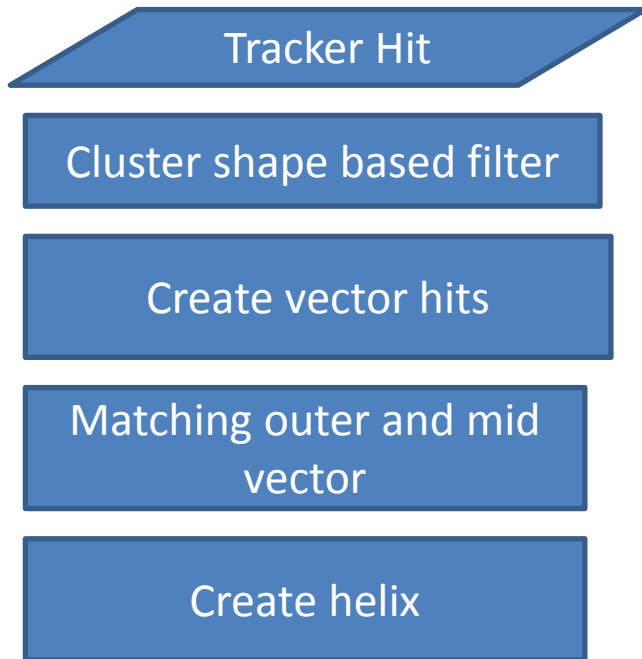
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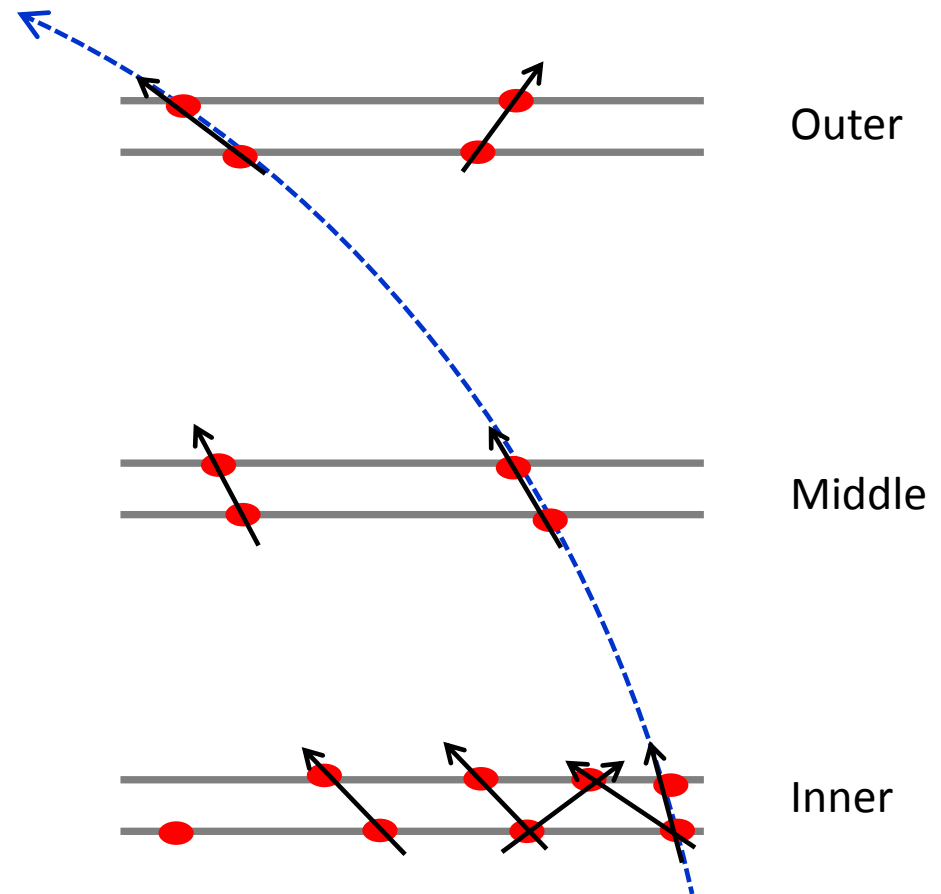
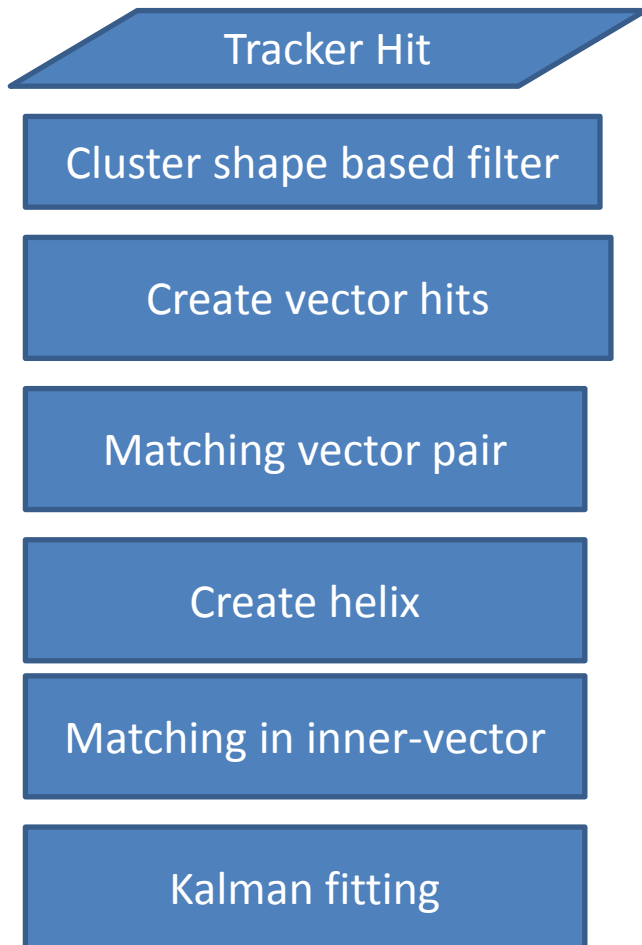
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Summary/Plan

■ KalTest

- Implementation of VTX and FTD was finished.

■ FPCCD software

- Adjusted to new framework

■ New silicon tracking

- cluster shape based filter

- vector hits on double sided layer

- getting started.