

Topic:

basf2 Module for the addition of VXD clusters to CDC Tracks: Status and Plans

Myroslav Stefaniuk

What is done already?

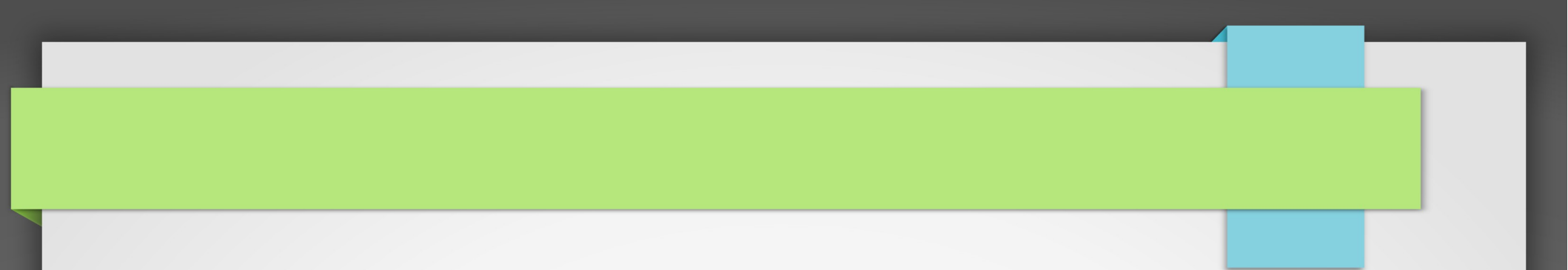
- Own module is created
- Retrieve information from the event:
 - TrackCand(CDC)
 - CDCHit
 - SVDCluster
- Track Fitting
 - using Kalman filter to fit the track

Next step:

- Extrapolate fit track to the SVD (and PXD)
 - extrapolate to the cylinders corresponding to each layer
 - extrapolate to the planes containing each ladder

Plans:

- find the SVD sensor that contain the extrapolated point
- select the SVD clusters on that sensor
- evaluate a distance among the cluster and extrapolation
- add the right SVD clusters to the track
 - Find a parameter(distance) to take the decision



Thanks everybody for help.
And a lot of thanks to Giulia.