

PID status

Leonid Burmistrov

Outlook

- 1) PidCalib location, to do list
- 2) Conclusion (to do list)

PidCalib location

Finally PidCalib application renamed and placed in the PacPidCalib

- PacPidCalib/PidCalibApp.C
- PacPidCalib/PidCalibConst.h
- PacPidCalib/PidCalib.h
- PacPidCalib/PidCalib.C
- PacPidCalib/HistContainer.h
- PacPidCalib/HistContainer.C
- PacPidCalib/PidCalibMakefile
- PacPidCalib/PidCalibBuildPs.C
- PacPidCalib/runJobsPacPidCalib.pl

Test of the time measurements with bwd EMC should be added soon

Test of the time measurements with fTOF should be added soon as well

We want to reproduce BaBar PID tables in different momentum and theta regions

The module which perform automatic minimization differences between selectors in FastSim (BaBar configuration) and tables from BaBar would be added soon.

Before it was done by hand (take a lot of time).

Conclusion

DCH

I am not able to run single track generator with V0.2.0 so I did not make a check of DCH dEdx pulls, which was fixed by Matteo.

SVT

Theta dependence of measured dEdx is still there.
Should we use it for PID now?

DIRC

Hopefully is ok :-) i did not check, because of same reason as DCH.

TOF with bwd EMC

Since timing information from EMC is available in BetaMicroAdapter/BtaPidQual (time resolution is 100ps for BWD and 1 ms for barrel and forward region)
It would be used PID soon.

TOF with fTOF detector

More physical model based on full simulation of this detector should be added soon