Subject: [SOLVED] Problem in pid macro with inactive FTS
Posted by MartinJGaluska on Tue, 16 Oct 2012 20:59:22 GMT
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Dear all,

I am running PandaRoot rev. 17558 with sep12 external packages on Ubuntu 12.04.

I run official the macros from macro/run.

I have commented out the DIRC and set FTS to inactive in sim_complete.C with:

FairDetector *Fts= new PndFts("FTS", kFALSE); // FTS is inactive

Until pid macro everything is looking good for 1000 events, but the pid macro does not run.
Here is what I think is the essential part of the output.

Toggle Spoiler
I- FairGeane::FairGeane: Geane is Initialized
[INFO   ] Branch: FtsIdealGenTrack not found in Tree
[INFO   ] Branch: FtsIdealGenTrack not found in Tree
-I- PndPidCorrelator::Init: No 2nd PndTrack array!
[INFO   ] Branch: PidChargedCand not found in Tree
[INFO   ] Branch: PidChargedCand not found in Tree
-I- PndPidIdealAssociatorTask::Init: No PndPidCandidate array PidChargedCand there!
InitStatus PndPidMvdAssociatorTask::Init()
[INFO   ] Branch: PidChargedCand not found in Tree
[INFO   ] Branch: PidChargedCand not found in Tree
-I- PndPidMvdAssociatorTask::Init: No PndPidCandidate array PidChargedCand there!
InitStatus PndPidMdtHCAssociatorTask::Init()
[INFO   ] Branch: PidChargedCand not found in Tree
[INFO   ] Branch: PidChargedCand not found in Tree
-I- PndPidMdtHCAssociatorTask::Init: No PndPidCandidate array PidChargedCand there!
InitStatus PndPidDrcAssociatorTask::Init()
[INFO   ] Branch: PidChargedCand not found in Tree
[INFO   ] Branch: PidChargedCand not found in Tree
-I- PndPidDrcAssociatorTask::Init: No PndPidCandidate array PidChargedCand there!
InitStatus PndPidDiscAssociatorTask::Init()
[INFO   ] Branch: PidChargedCand not found in Tree
[INFO   ] Branch: PidChargedCand not found in Tree
-I- PndPidDiscAssociatorTask::Init: No PndPidCandidate array PidChargedCand there!
[INFO   ] Branch: PidChargedCand not found in Tree
[INFO   ] Branch: PidChargedCand not found in Tree
-E- PndPidSttAssociatorTask::Init: No PidChargedCand array!
InitStatus PndPidEmcBayesAssociatorTask::Init()
[INFO   ] Branch: PidChargedCand not found in Tree
[INFO   ] Branch: PidChargedCand not found in Tree
-I- PndPidEmcBayesAssociatorTask::Init: No PndPidCandidate array PidChargedCand there!
[INFO   ] The number of entries in chain is 1000
[INFO   ] The number of entries in chain is 1000

For a diff I have attached the outputs of the pid macro when I run the entire simulation chain with active FTS (withFTS.txt) and with inactive FTS (noFTS.txt).

File Attachments

1) noFTS.txt, downloaded 572 times
2) withFTS.txt, downloaded 424 times

Subject: Re: Problem in pid macro with inactive FTS
Posted by StefanoSpataro on Tue, 16 Oct 2012 21:04:19 GMT
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Why have you commented out fts? In this way the FtsIdealGenTrack is not existing, then in the PidCorrelator you have to comment out the second input.

Subject: Re: Problem in pid macro with inactive FTS
Posted by MartinJGaluska on Tue, 16 Oct 2012 21:51:04 GMT
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Thank you Stefano! After commenting out

corr->SetInputBranch2("FtsIdealGenTrack");
corr->SetInputIDBranch2("FtsIdealGenTrackID");

the macro works.

I want to compare results for the X simulation with and without the FTS, therefore, I was running a simulation with inactive FTS.
