Subject: Error in PndAnaPidCombiner::Apply
Posted by Alexandros on Tue, 21 Feb 2017 13:17:24 GMT
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Hi all,

I am running only evtgen events.
After the simulation part, while trying to run my analysis macro, I get this error:

Error in <PndAnaPidCombiner::Apply>: Index out of 'PidAlgoStt' array (0x19992e0) bounds, skip setting pid for candidate 4.
Error in <PndAnaPidCombiner::Apply>: Index out of 'PidAlgoMvd' array (0x1998ee0) bounds, skip setting pid for candidate 4.
Error in <PndAnaPidCombiner::Apply>: Index out of 'PidAlgoDrc' array (0x19990a0) bounds, skip setting pid for candidate 4.
Error in <PndAnaPidCombiner::Apply>: Index out of 'PidAlgoMdtHardCuts' array (0x1998fa0) bounds, skip setting pid for candidate 4.
Error in <PndAnaPidCombiner::Apply>: Index out of 'PidAlgoDisc' array (0x19991b0) bounds, skip setting pid for candidate 4.
Error in <PndAnaPidCombiner::Apply>: Index out of 'PidAlgoSciT' array (0x1999540) bounds, skip setting pid for candidate 4.
Error in <PndAnaPidCombiner::Apply>: Index out of 'PidAlgoRich' array (0x19997c0) bounds, skip setting pid for candidate 4.
Error in <PndAnaPidCombiner::Apply>: Index out of 'PidAlgoEmcBayes' array (0x1999410) bounds, skip setting pid for candidate 4.

The events are processing though.
During the analysis, I also get few times this error:

Error in <TDecompLU::DecomposeLUCrout>: matrix is singular
Error in <TDecompLU::InvertLU>: matrix is singular, 0 diag elements < tolerance of 2.2204e-16
Error in <TDecompLU::InvertLU>: matrix is singular, 1 diag elements < tolerance of 2.2204e-16

At the end, the results obtained seem very reasonable, so it seems that the errors do not affect the process.
This is what I have in my analysis macro:

```
   TString pidalg = "
PidAlgoStt;PidAlgoMvd;PidAlgoDrc;PidAlgoMdtHardCuts;PidAlgoDisc;PidAlgoS
ciT;PidAlgoRich;PidAlgoEmcBayes ";
   theAnalysis->FillList(kplus,  "KaonLoosePlus", pidalg);
   theAnalysis->FillList(kminus, "KaonLooseMinus", pidalg)
   theAnalysis->FillList(piplus,  "PionLoosePlus", pidalg);
   theAnalysis->FillList(piminus, "PionLooseMinus", pidalg);
```

Any ideas???
Thanks!