Subject: Differences between Histo and Ntuple
Posted by Mamen on Wed, 07 May 2014 14:11:24 GMT
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Dear all,

I'm trying to learn how to save data into a root file using both a histogram or an ntuple.
For the histogram I get reasonable plots, but for the ntuple I get strange events/particles plotted at -1000.
My code looks like follows:

```
TH1F *eppx = new TH1F ("eppx", "eppx (All)", 200, -2000, 5000.);
(.../...)
RhoTuple *ntp  = new RhoTuple("RecoTuple","Reco_analysis");
(.../...)
PndAnalysis* theAnalysis = new PndAnalysis();
if (nevts==0) nevts= theAnalysis->GetEntries();
// *** RhoCandLists for the analysis
RhoCandList eplus;
(.../...)
while (theAnalysis->GetEvent() && i++<nevts)
 {
  if ((i%100)==0) cout<<"evt " << i << endl;
  // *** Select with no PID info ('All'); type and mass are set
  theAnalysis->FillList(chrg,    "Charged");
  theAnalysis->FillList(eplus,  "ElectronAllPlus");
(.../...)

 for (j=0;j<eplus.GetLength();++j)
  {
   eppx->Fill(eplus[j]->Px());
   ntp->Column("eppx",          (Float_t) eplus[j]->Px(),              -999.0f);
   ntp->DumpData();
              }
(.../...)
}

out->cd();
eppx->Write();
out->Save();
ntp->GetInternalTree()->Write();
out->Close();
```

However, I get strange results when I open the output rootfile (see uploaded files).
Am I doing something wrong? Does somebody know where these events at -1000 in the ntuple saved data come from?
Thanks a lot in advance!

Best regards,

Mamen

File Attachments

1) PloteppxAll_1.eps, downloaded 622 times
2) PloteppxAll_2.eps, downloaded 652 times
3) PloteppxAll_tuple.eps, downloaded 620 times