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Subject: Re: Real vs. Ideal Tracking - Ghosts?  
Posted by [StefanoSpataro](#) on Mon, 08 Apr 2013 21:01:17 GMT  
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Hi Ralf,

I have done tests with the last trunk, and everything seems fine:

D+ invariant mass for all the combinations, ideal (blue) and real (red) tracking:

and with pid selection using montecarlo truth of kaons and pions:

Everything seems fine to me. I attach here the analysis macro I have used.

I have few comments to add.

I have used the following PndAnalysis constructor:

```
PndAnalysis* theAnalysis = new PndAnalysis("SttMvdGemGenTrack","FtsIdealGenTrack");
```

The system is not able to load them automatically, I think it should be stressed that one has to write the names of the TCAs. Not clear to me what is doing the code with the track objects.

I have tried to do the "mother" mc identification:

```
mcm.SetType(dplus,"D+");
```

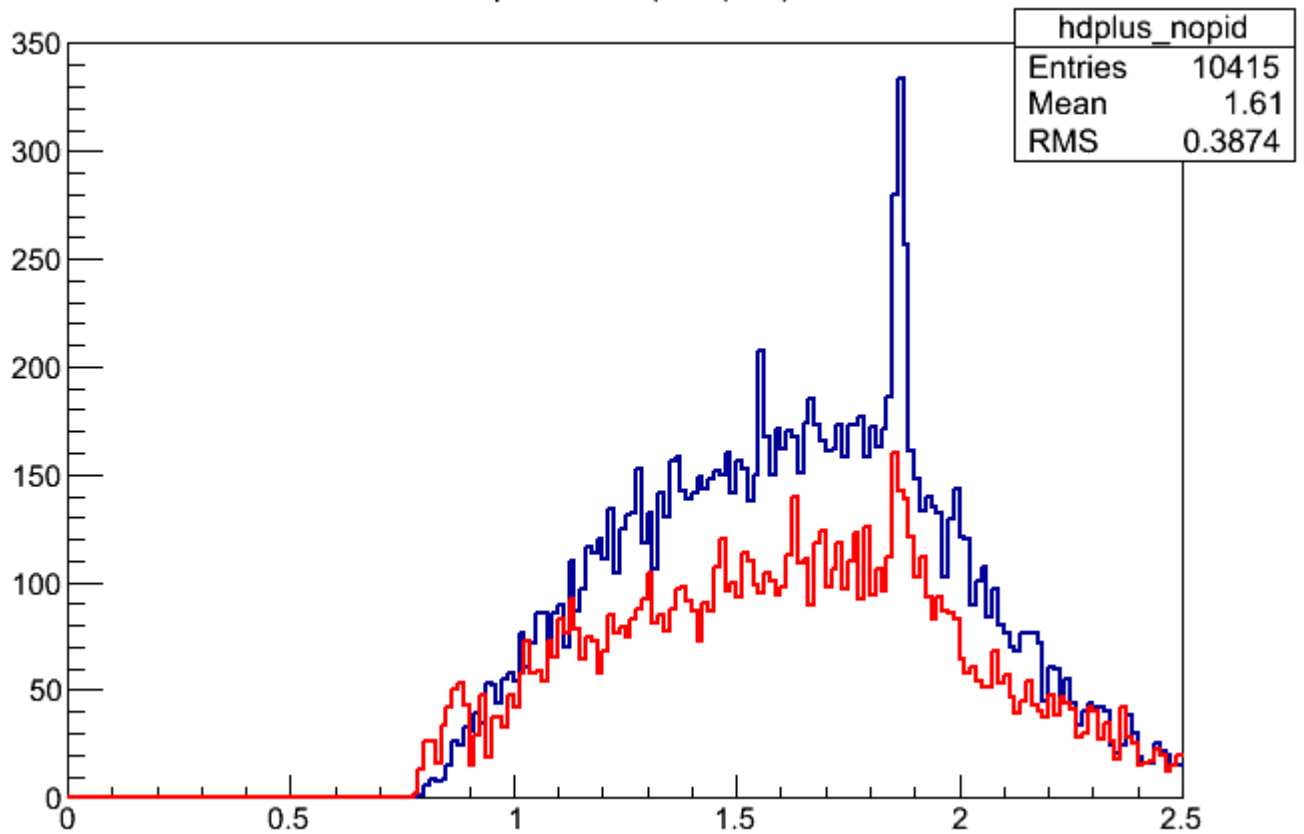
It is not working, while it was working for the simple particles. Maybe I have done something wrong (could you please correct me?) or maybe there is some bug in the PndMcMatch for composite candidates.

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## File Attachments

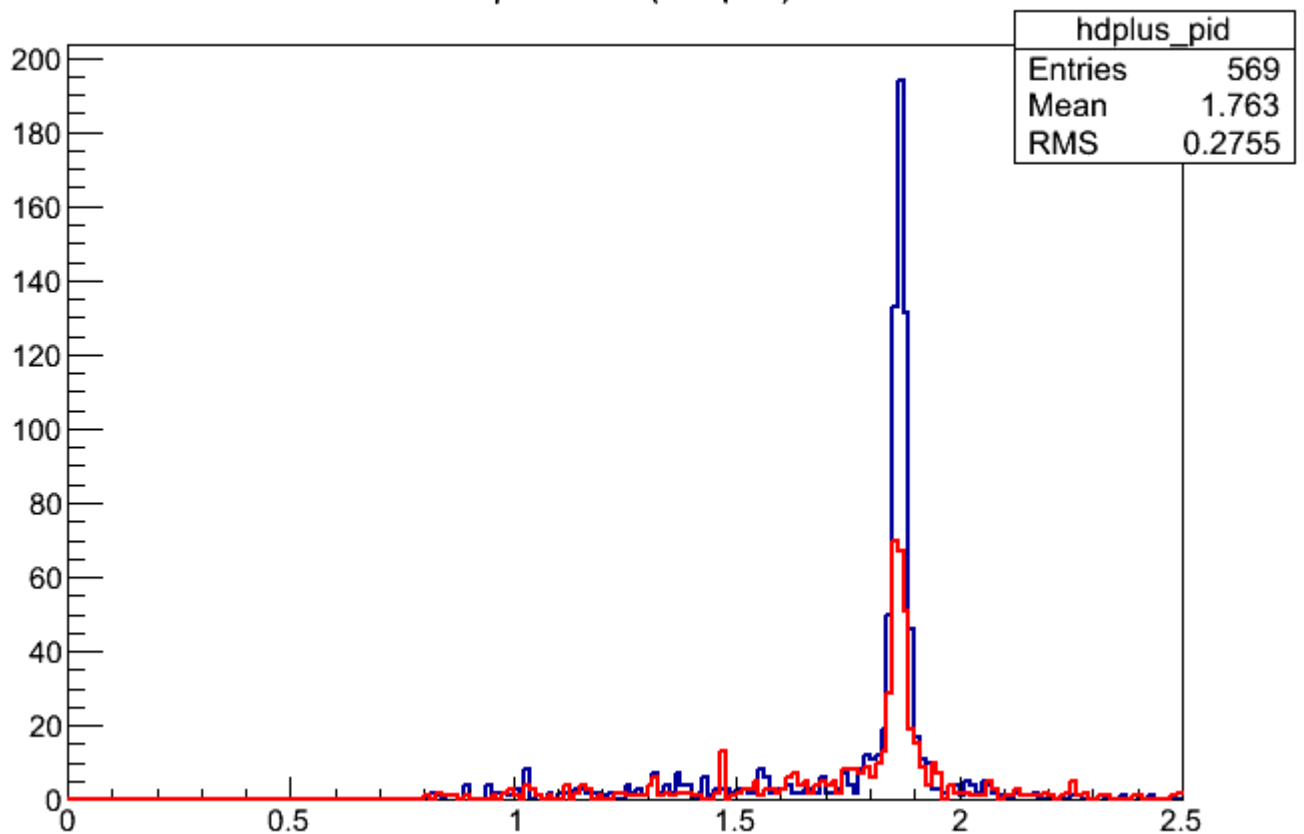
1) [hdplus\\_nopid.gif](#), downloaded 363 times

### J/ $\psi$ mass (no pid)



2) [hdplus\\_pid.gif](#), downloaded 439 times

### J/ $\psi$ mass (no pid)



3) [anatut\\_psi2s.C](#), downloaded 268 times

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