
Subject: Re: Wrong particle in FillList

Posted by [Simone Esch](#) on Tue, 30 Jul 2013 12:27:22 GMT

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Hello Everyone!

I see the same things in my Lambda LambdaBar analysis on Rev:20693

I made the following histogram to show some numbers:

On the X-Axis are my four lists i filled. On the Y-axis are from bin one to four the right assigned, bin 5 is the sum of wrong assigned particles and from bin 6 to 15 the type of the wrong assigned particles.

I filled the lists the following:

```
theAnalysis->FillList(protonplus,"ProtonLoosePlus");  
theAnalysis->FillList(protonminus,"ProtonLooseMinus");  
theAnalysis->FillList(pionplus,"PionLoosePlus");  
theAnalysis->FillList(pionminus,"PionLooseMinus");
```

And I asked for the MC pdg code like that:

```
protonplus[y]->GetMcTruth()->PdgCode()
```

Best regards

Simone

File Attachments

1) [wronassignedlist.png](#), downloaded 1563 times

fWrongAssignedList

| | Proton List | Antiproton List | Piplus List | Piminus List |
|----------------|-------------|-----------------|-------------|--------------|
| other | 35 | | 35 | |
| pi minus | | | 64 | |
| pi plus | | | | 57 |
| pbar | 29 | | | |
| p | | 51 | | |
| lambdabar | | | | |
| lambda | | | | |
| e- | | | | |
| e+ | | | | |
| gamma | 113 | 4 | 113 | 4 |
| neutron | 122 | 7 | 122 | 7 |
| sum wrong | 299 | 62 | 334 | 68 |
| pi minus right | | | | 8686 |
| pi plus right | | | 8458 | |
| pbar right | | 7990 | | |
| p right | 10434 | | | |

| fWrongAssignedList |
|--------------------|
| Entries |
| Mean x |
| Mean y |
| RMS x |
| RMS y |